

Figure 1

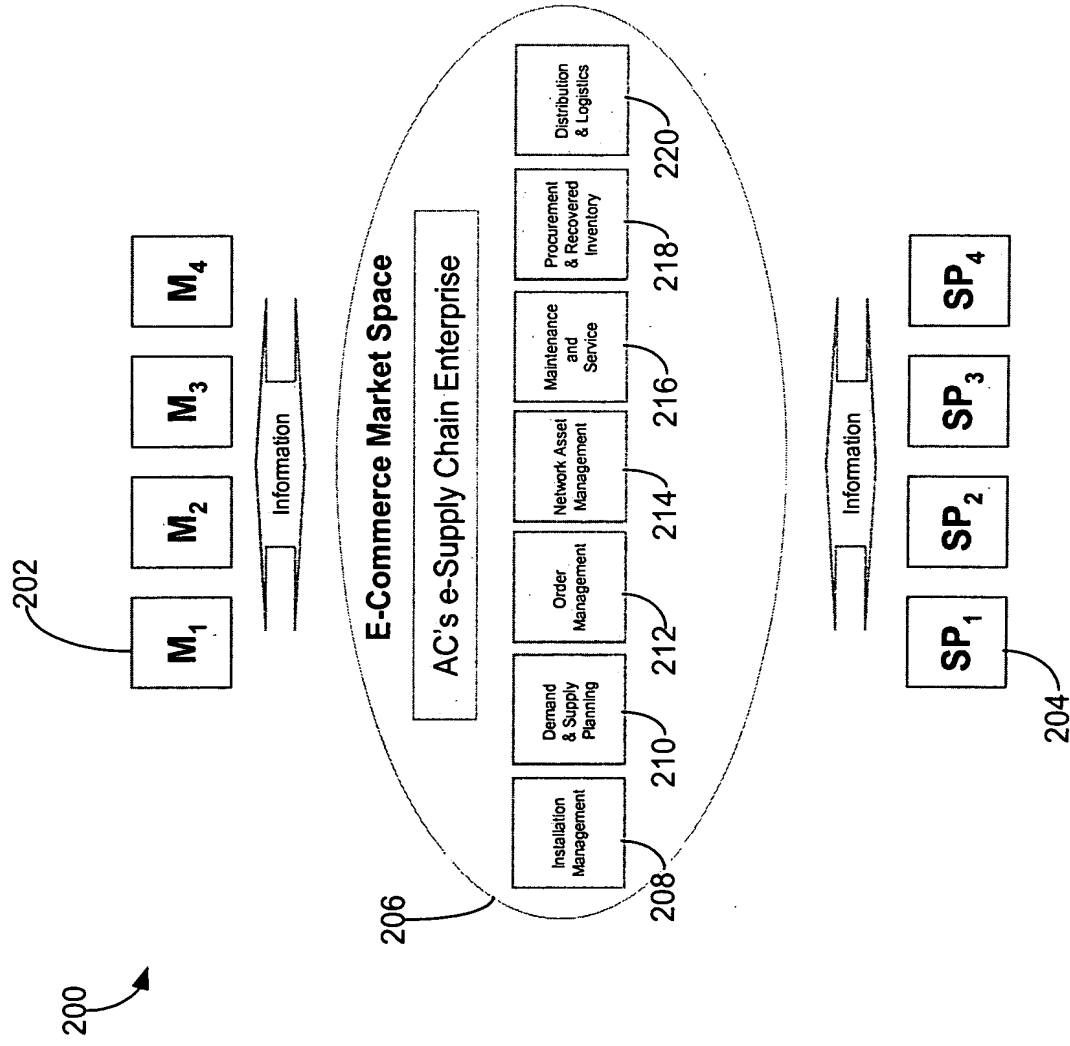


Figure 2

300

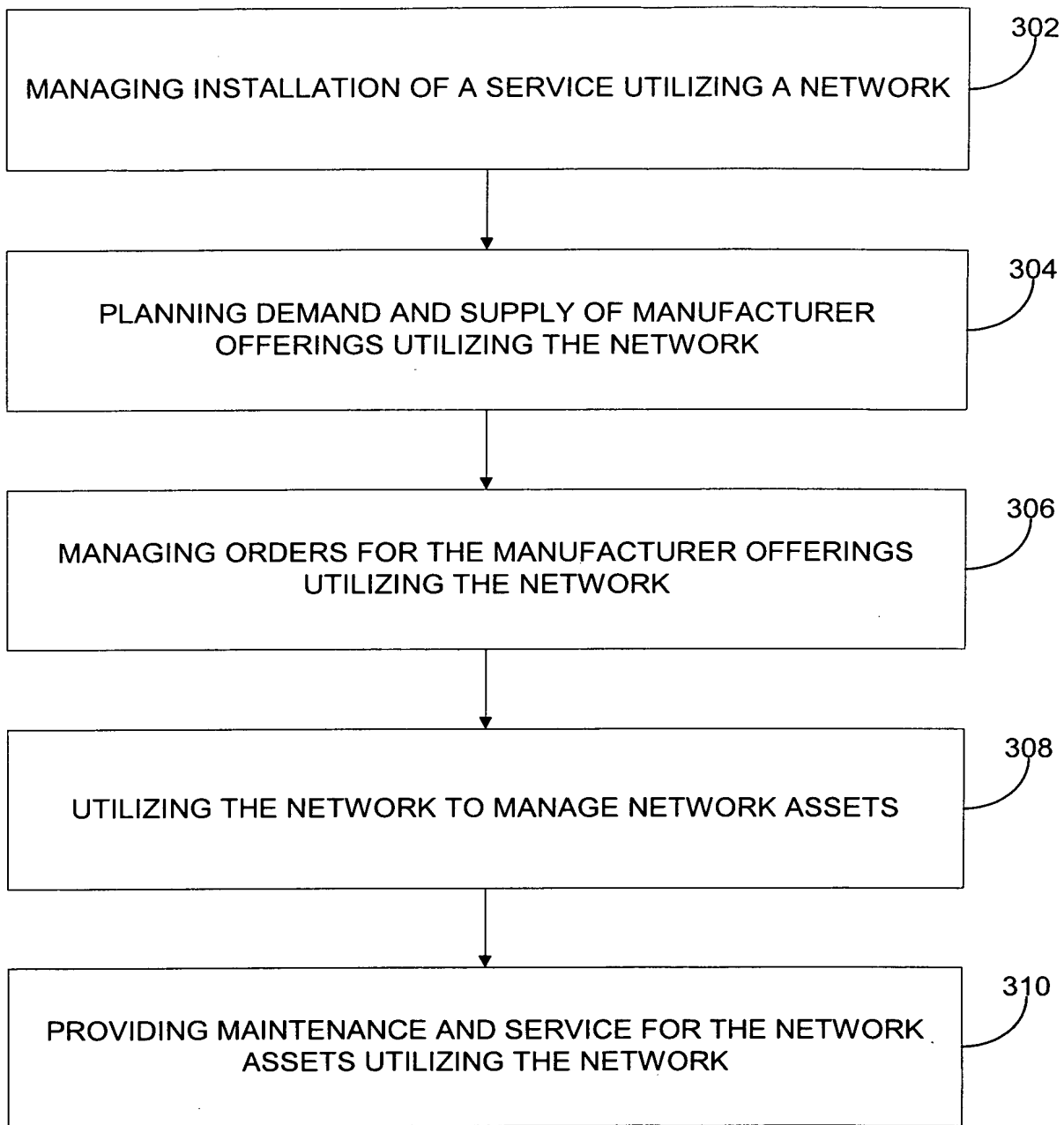


Figure 3

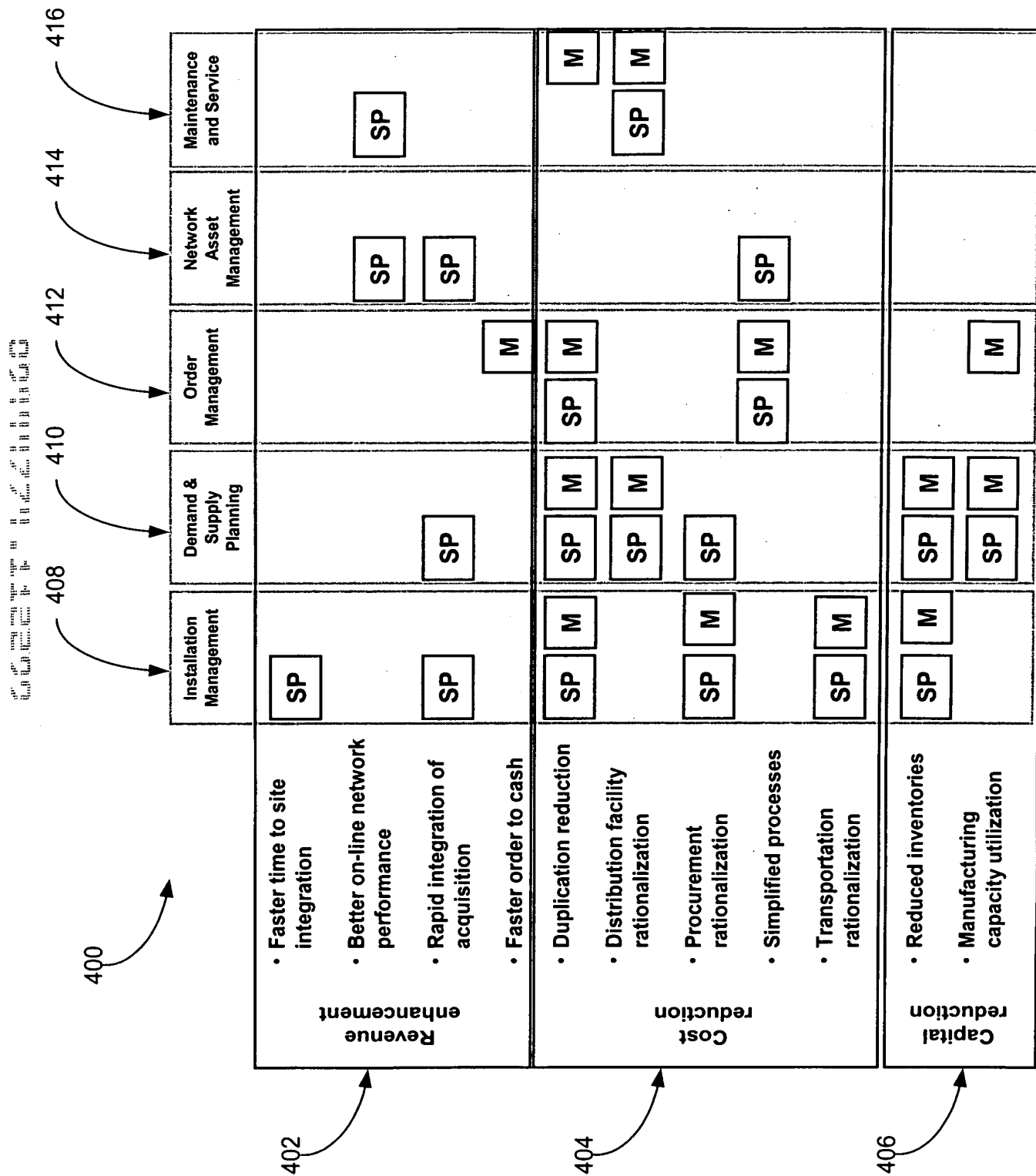


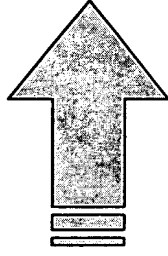
Figure 4

Core Competencies

Service Provider
<ul style="list-style-type: none">• New customer acquisitions• New customer segmentation strategy• Strategic technology mgmt• Technology life cycle management• New service offerings

502

- Network is planned based on a capability, and (i.e. capacity and features)



- Availability of sites is synchronized with the network roll out
- Joint optimization of network assets

Manufacturer
<ul style="list-style-type: none">• Focus on managing the customer relationship• Focus on managing production capacity• Focus on R & D• Focus on market coverage roll out

504

New Business Relationships

Service Provider
<ul style="list-style-type: none">• Provide an open access channel for new service offerings from the manufacturer• Move to a focus on platform release strategy in line with service offerings

506

Manufacturer
<ul style="list-style-type: none">• Gain the potential to reposition the network as a platform for their solutions pipeline• The ability for the manufacturer to build strategic alliances with solution integrators becomes a critical differentiator

508

Figure 5

212

eSupply Market Space

208

Installation Management

210

Demand & Supply Planning

Order Management

214

Network Asset Management

Maintenance and Service

216

End to end process visibility and harmonization

New Capabilities

- Collaborative management
- Milestone based project planning
- Visibility
 - Hardware
 - Services

- Collaborative forecasting
- Collaborative network roll-out and planning
- Supply Coordination
- Collaborative Capacity Planning
- Reverse inventory management
- Technology sharing

- Increased visibility
- Tracking and status
- Order capture
- Standardization/compliance

- Life cycle management
- Asset tracking
 - Growth
 - Capacity
 - Technology
 - Amount
- Product launch/rollout
- Technology Sharing

- Proactive management
- Scheduling and planning
- Increased information and visibility

202

Manufacturer

204

Service Provider

Main Enablers

- Collaborative planning tool
- New installation processes

- Supply chain planning tool
- Production planning tool
- Roll-out planning tool

- Electronic order capture
- Electronic-based order flow
- Order tracking tool
- Network operations link

- Asset tracking tool
- Life cycle management model
- Roll-out Planning Tool

- Planning tool
- Network tracking interface

206

Figure 6

700

RECEIVING INFORMATION FROM AT LEAST ONE SERVICE PROVIDER UTILIZING A NETWORK, WHEREIN THE INFORMATION OF THE AT LEAST ONE SERVICE PROVIDER INCLUDES INFORMATION RELATING TO THE SERVICE PROVIDED BY THE SERVICE PROVIDER

702

RECEIVING INFORMATION FROM AT LEAST ONE MANUFACTURER UTILIZING THE NETWORK, WHEREIN THE INFORMATION OF THE MANUFACTURER INCLUDES INFORMATION RELATING TO MANUFACTURER OFFERINGS

704

MATCHING THE SERVICE TO THE MANUFACTURER OFFERINGS

706

UTILIZING THE SERVICE AND MANUFACTURER OFFERINGS INFORMATION TO MANAGE INSTALLATIONS

708

Figure 7

800

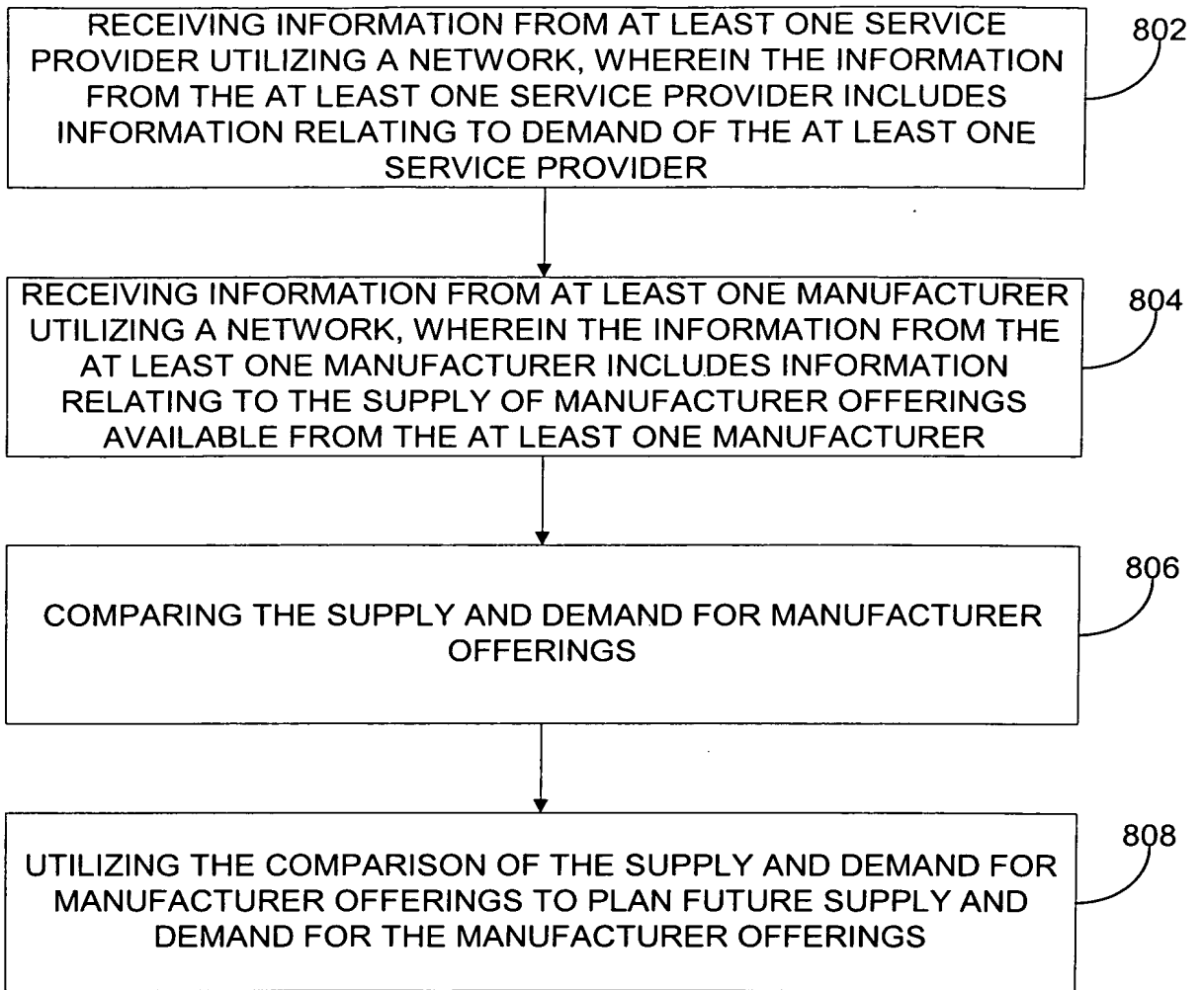


Figure 8

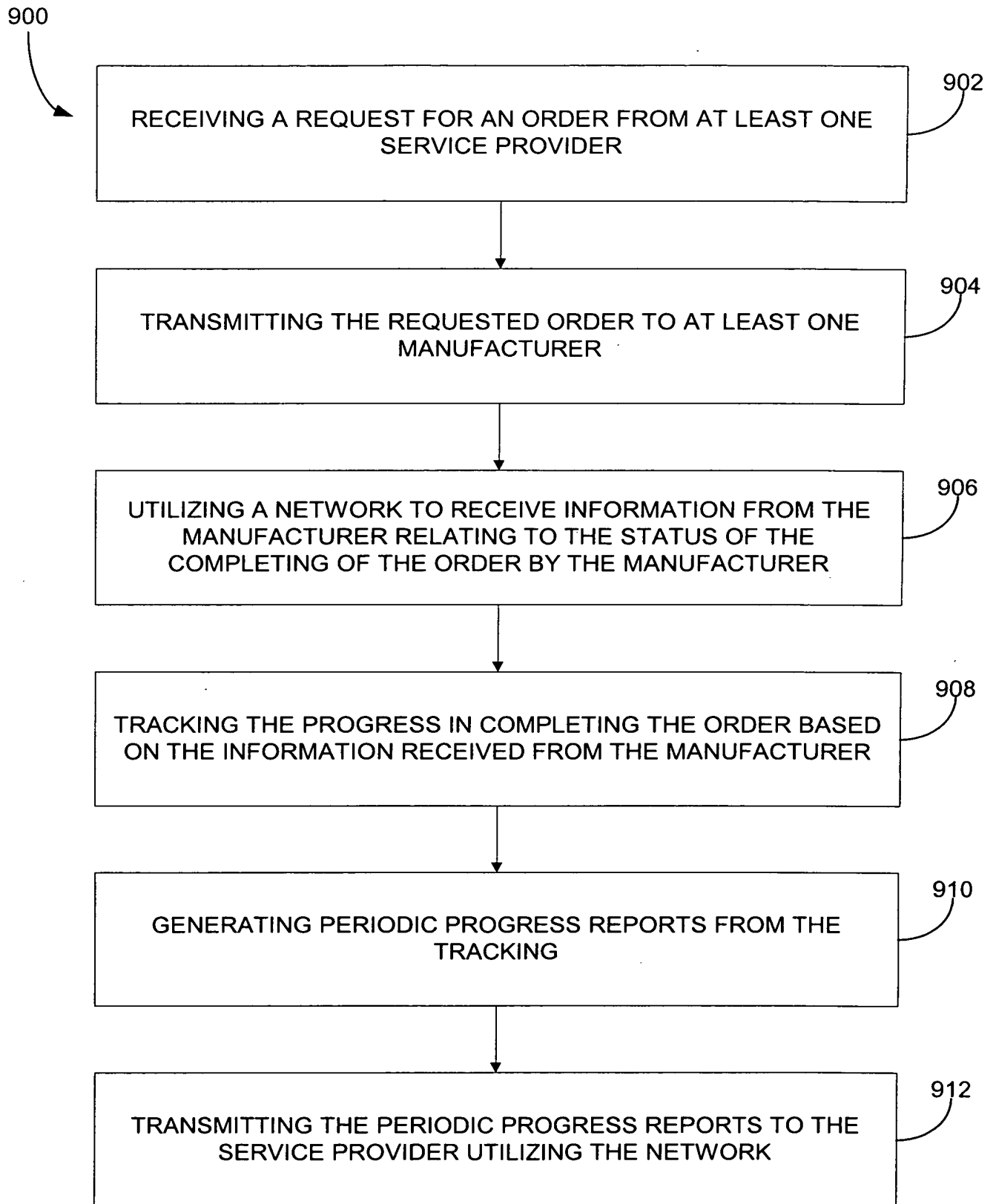


Figure 9

1000

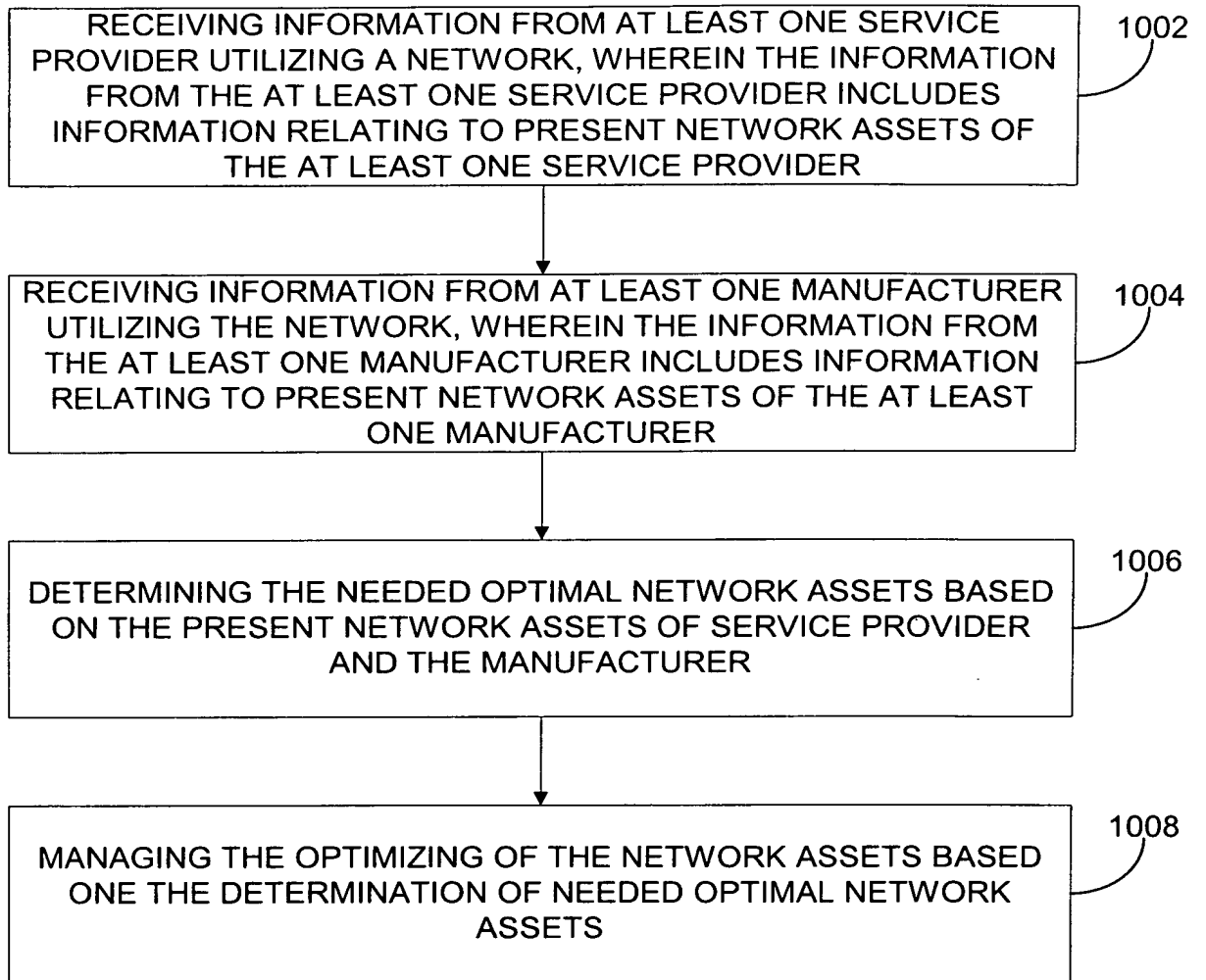


Figure 10

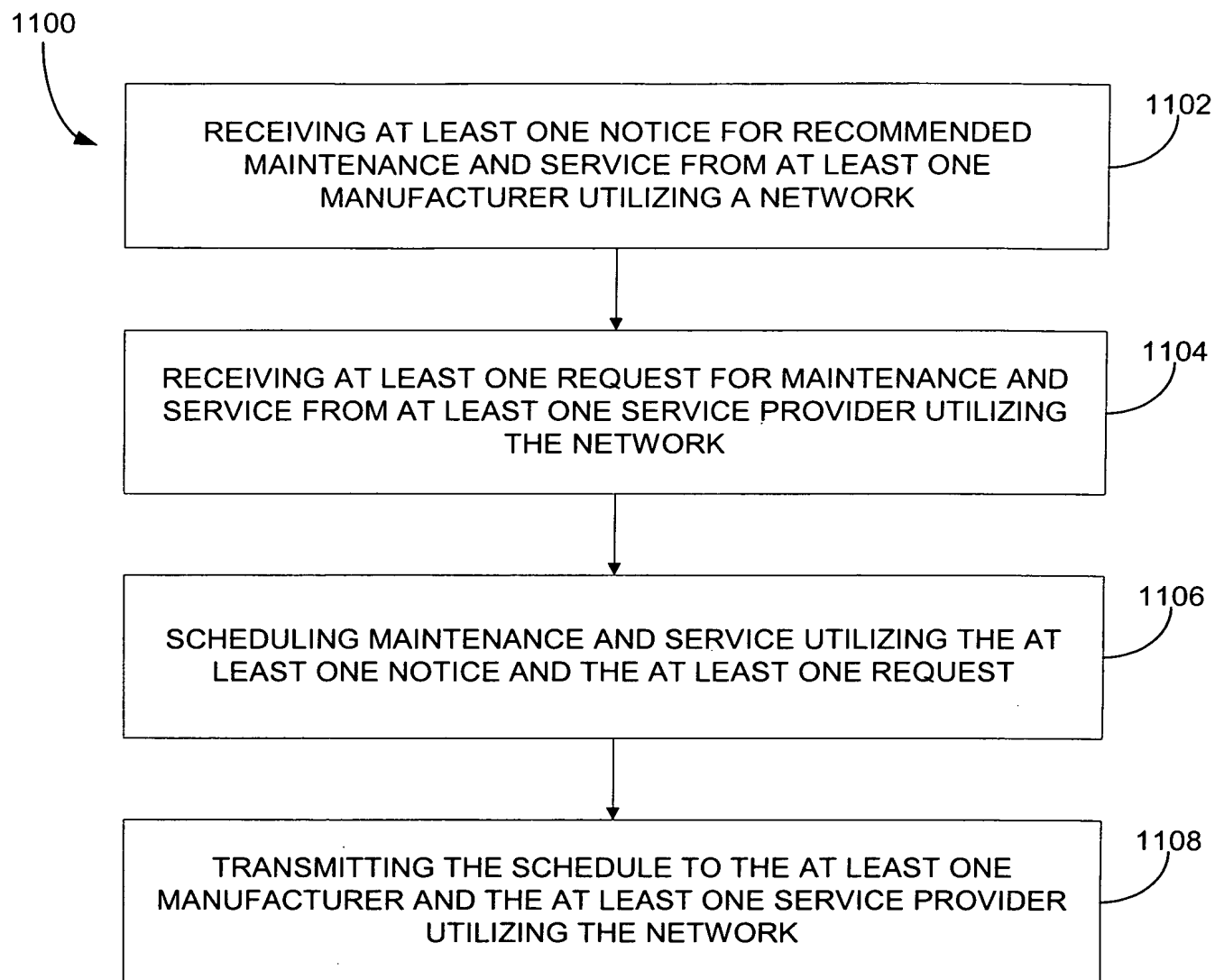


Figure 11

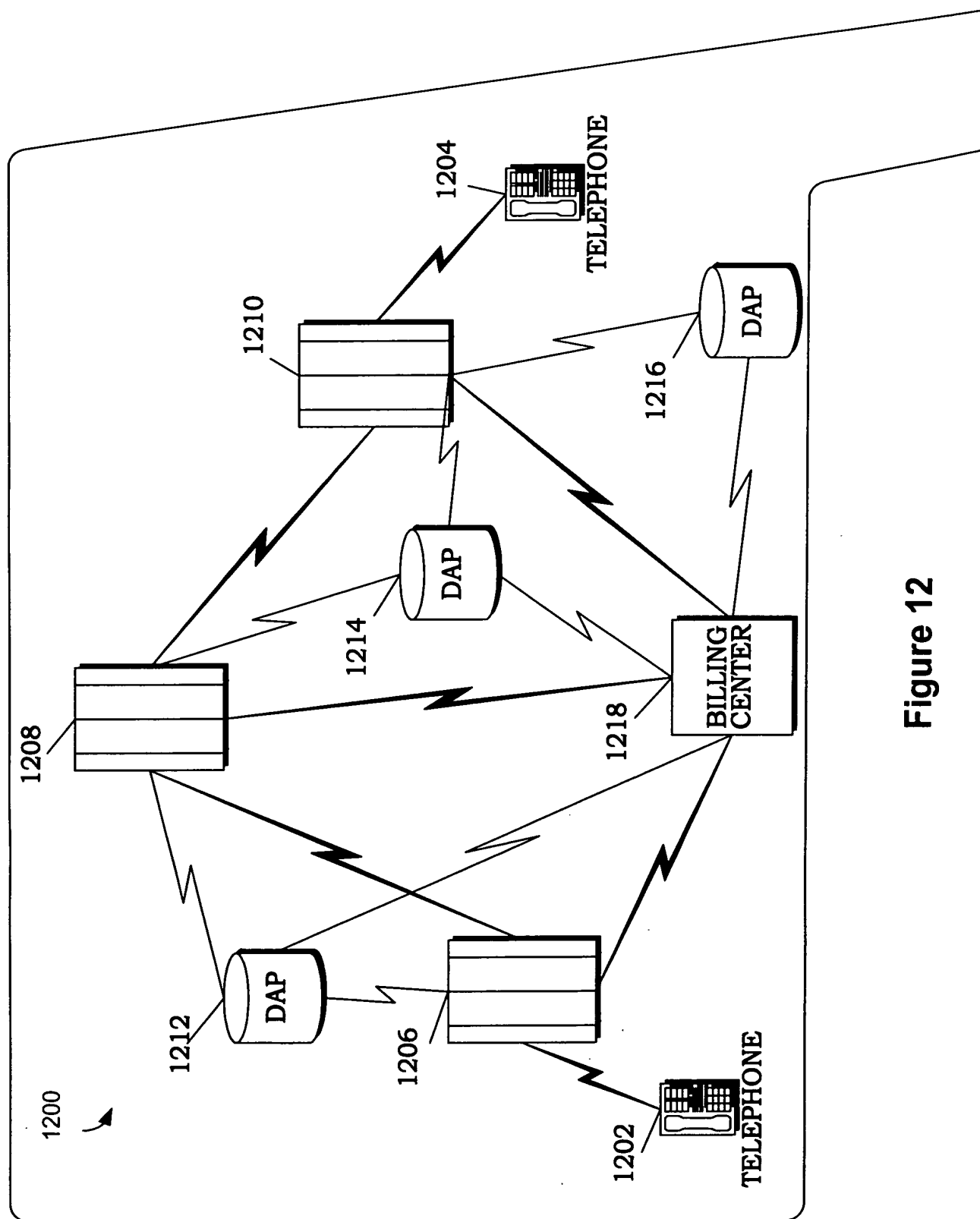


Figure 12

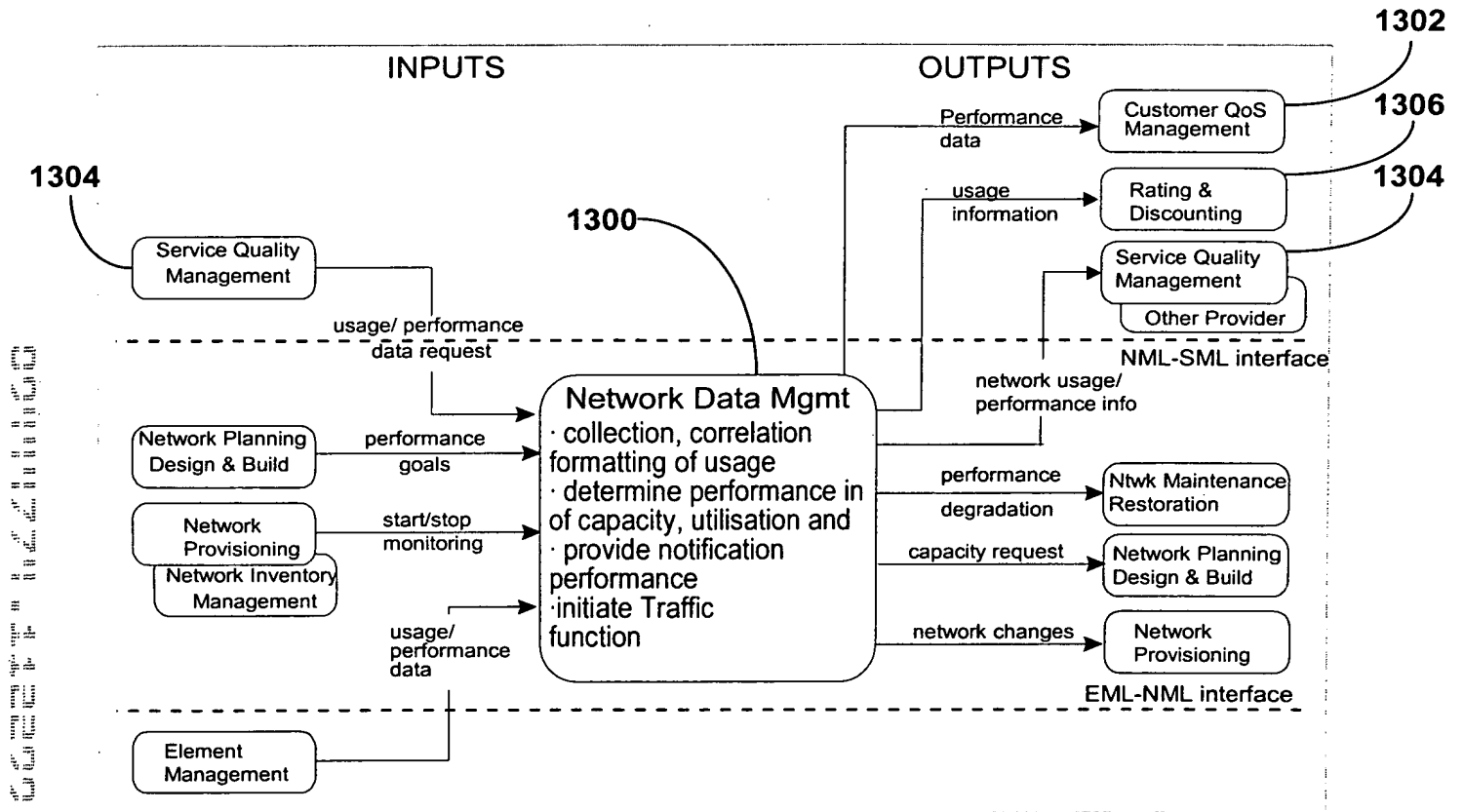


Figure 13

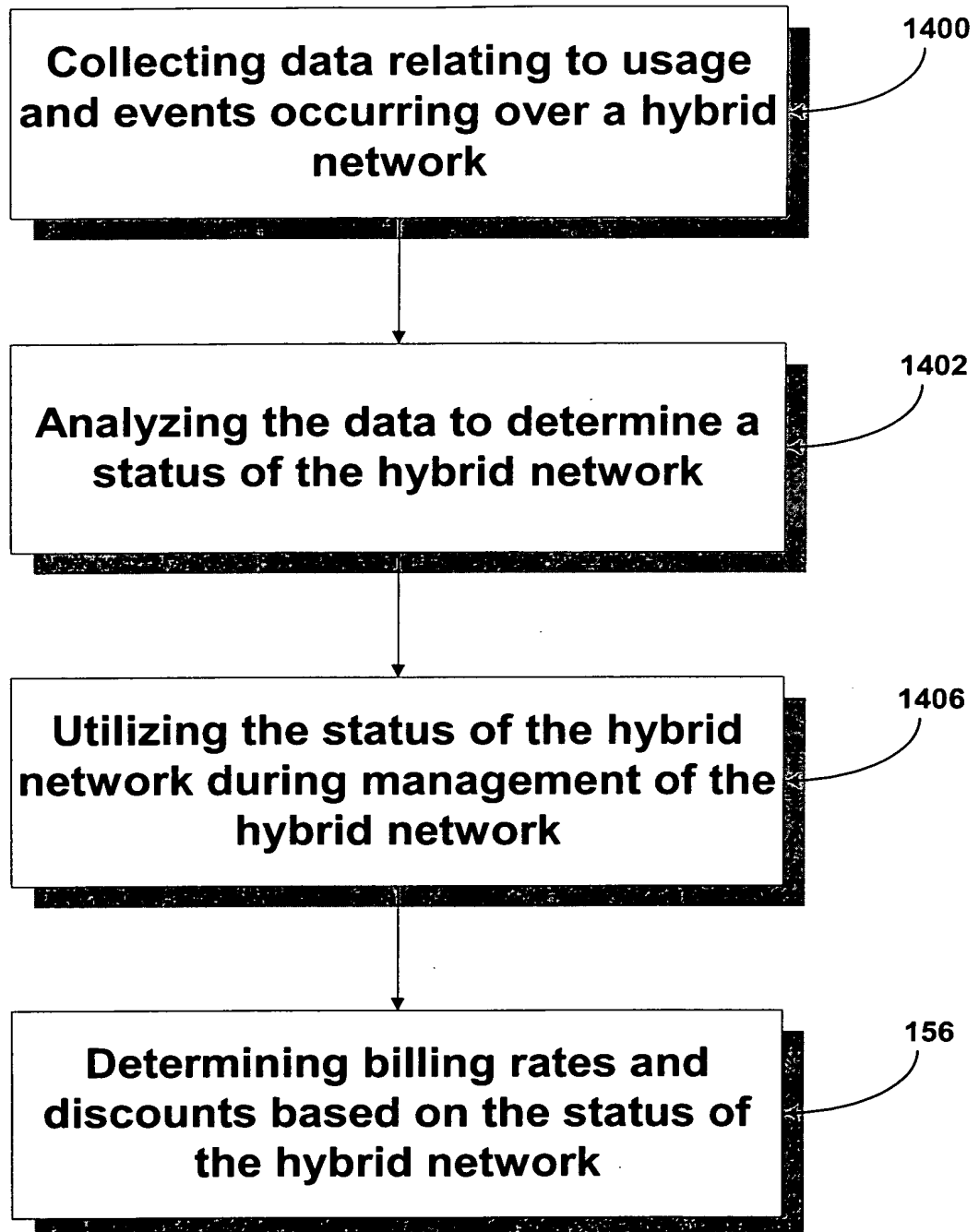


Figure 14

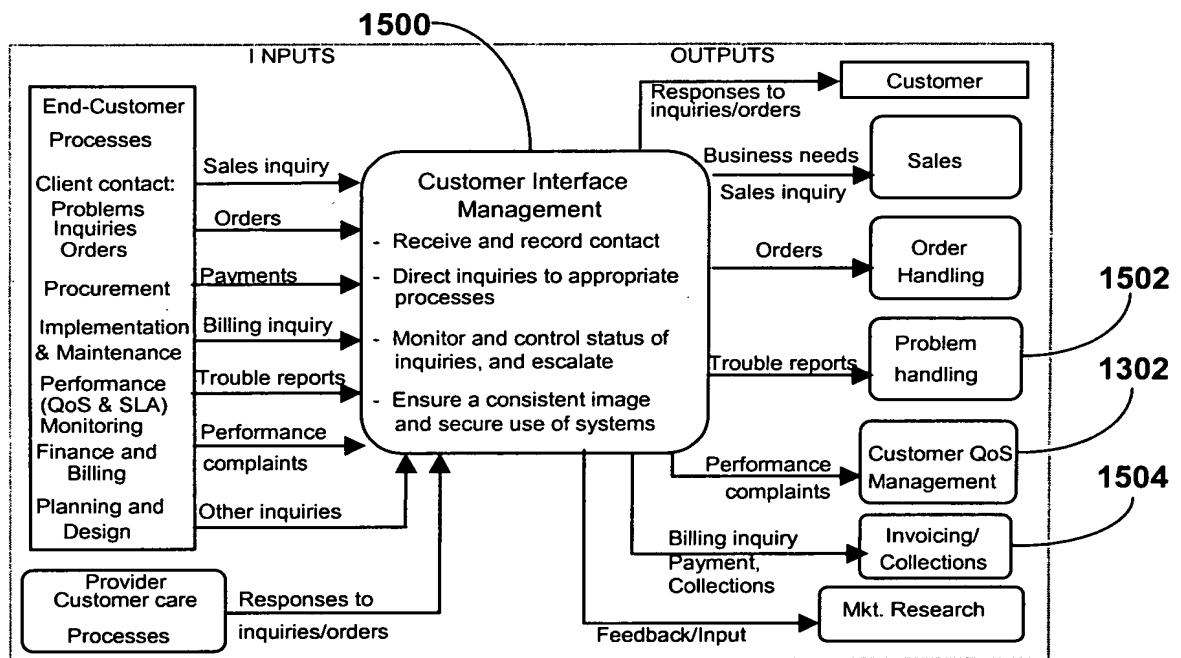


Figure 15

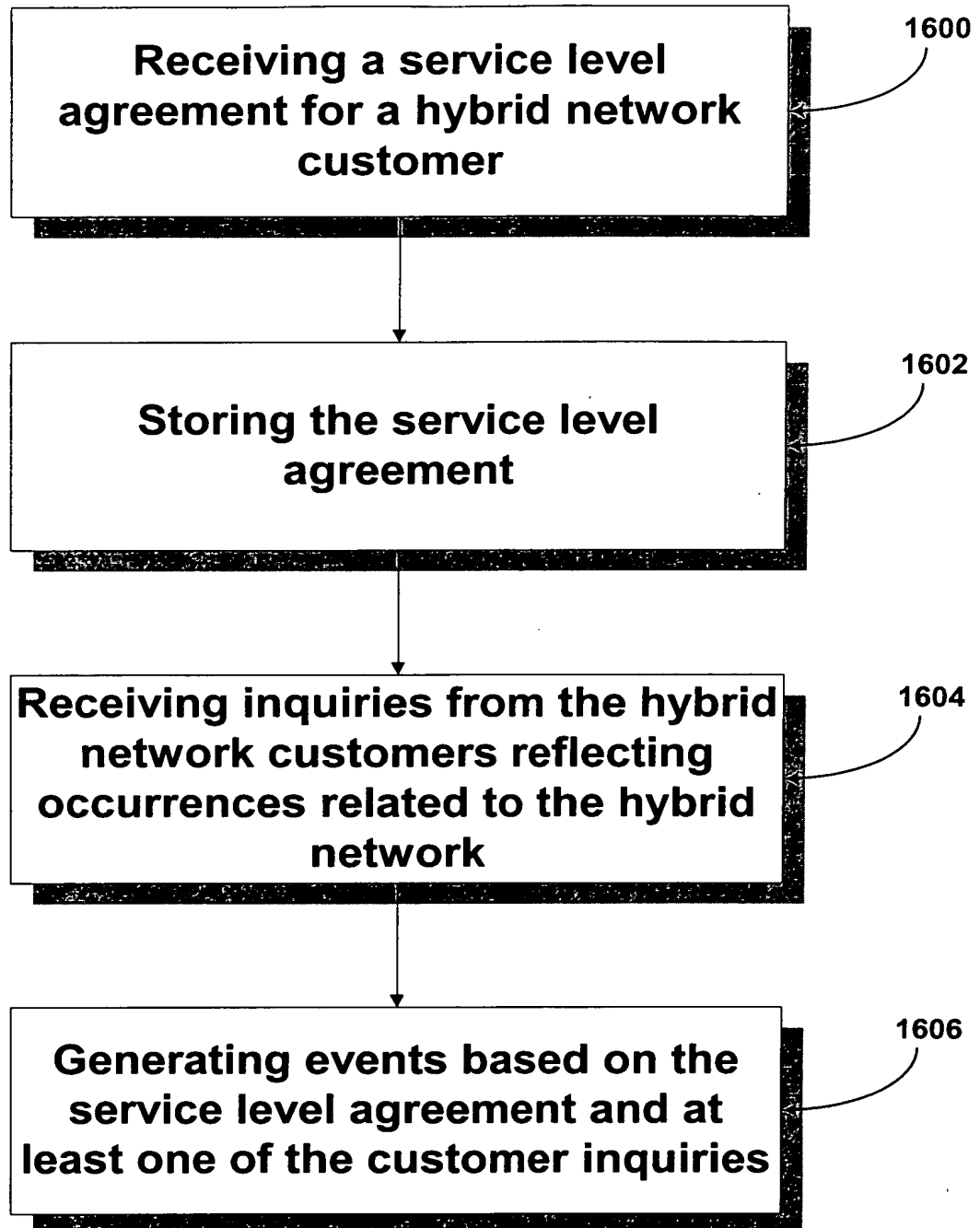


Figure 16

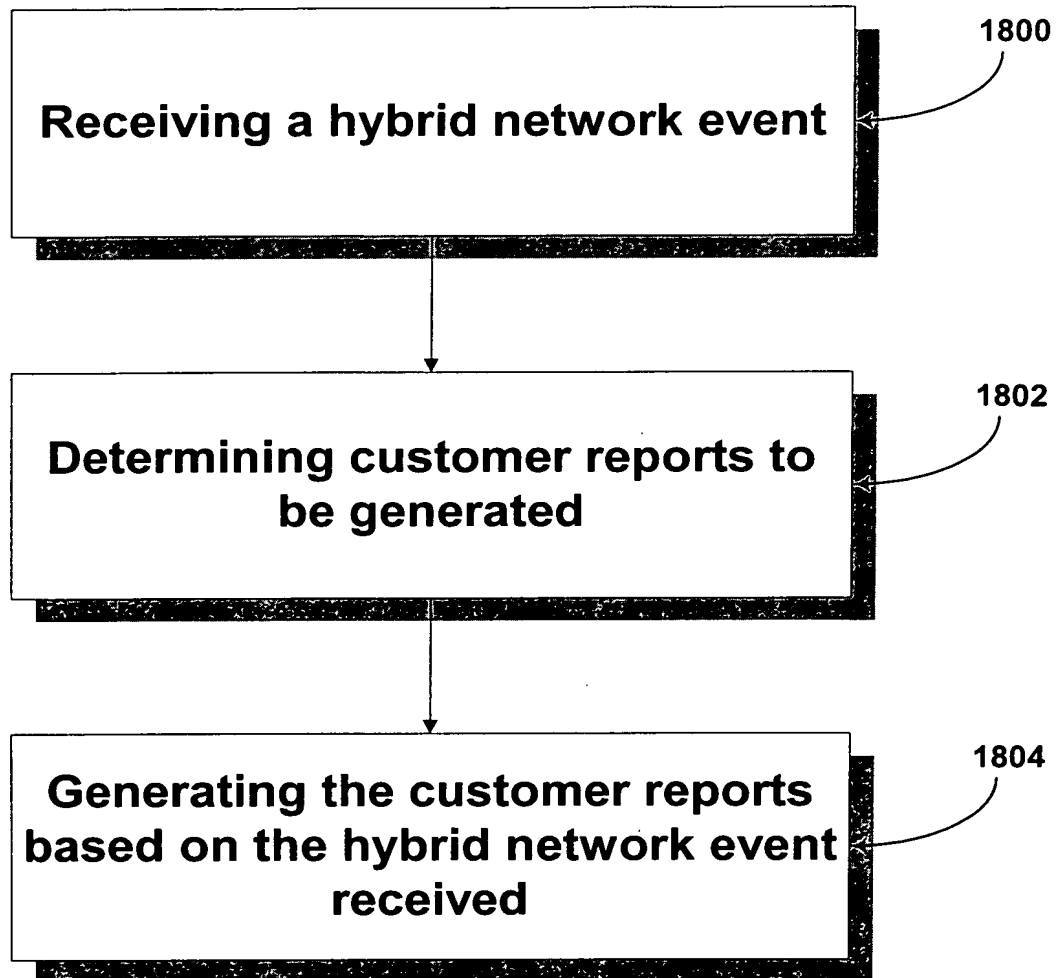


Figure 18

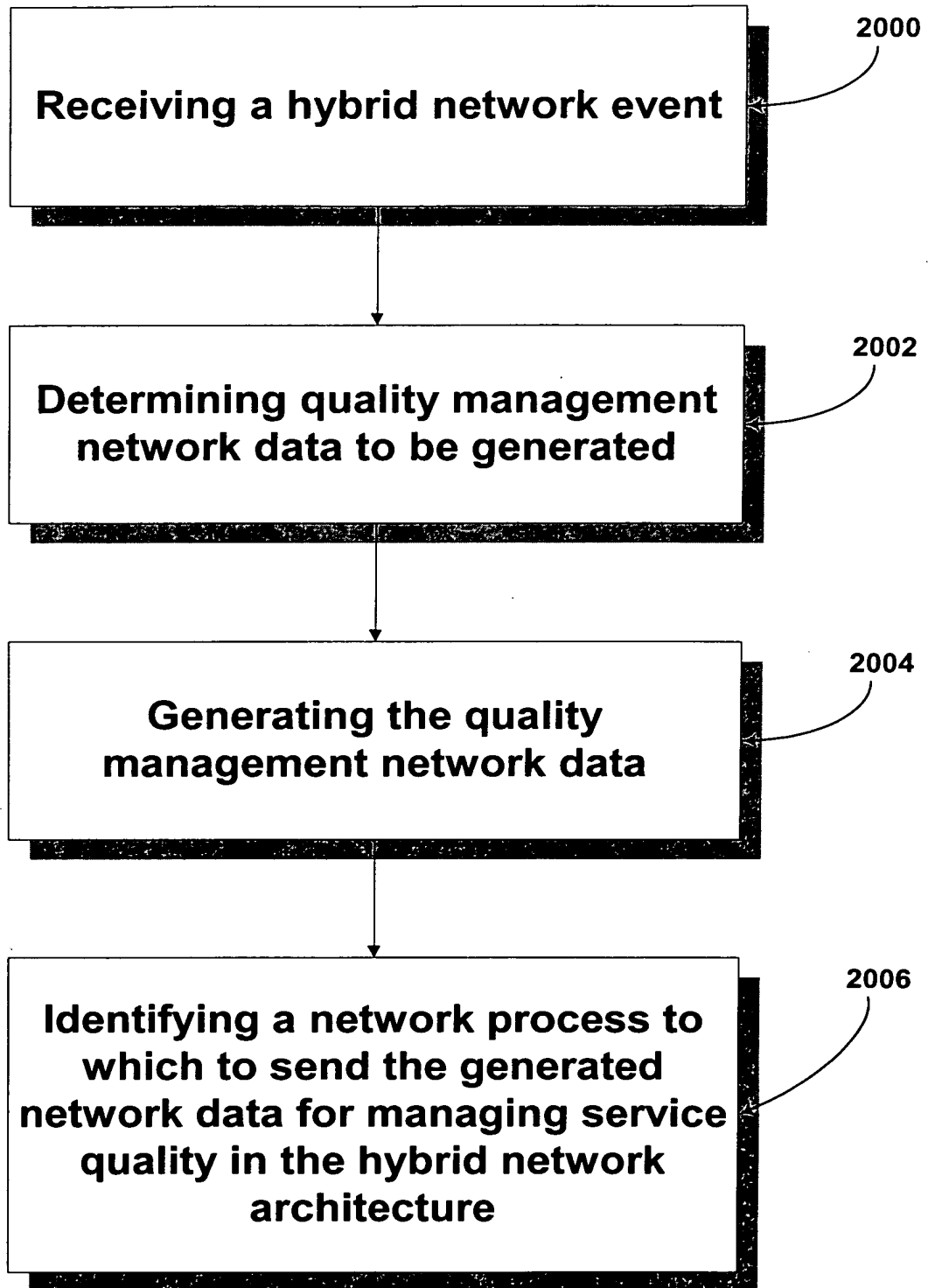


Figure 20

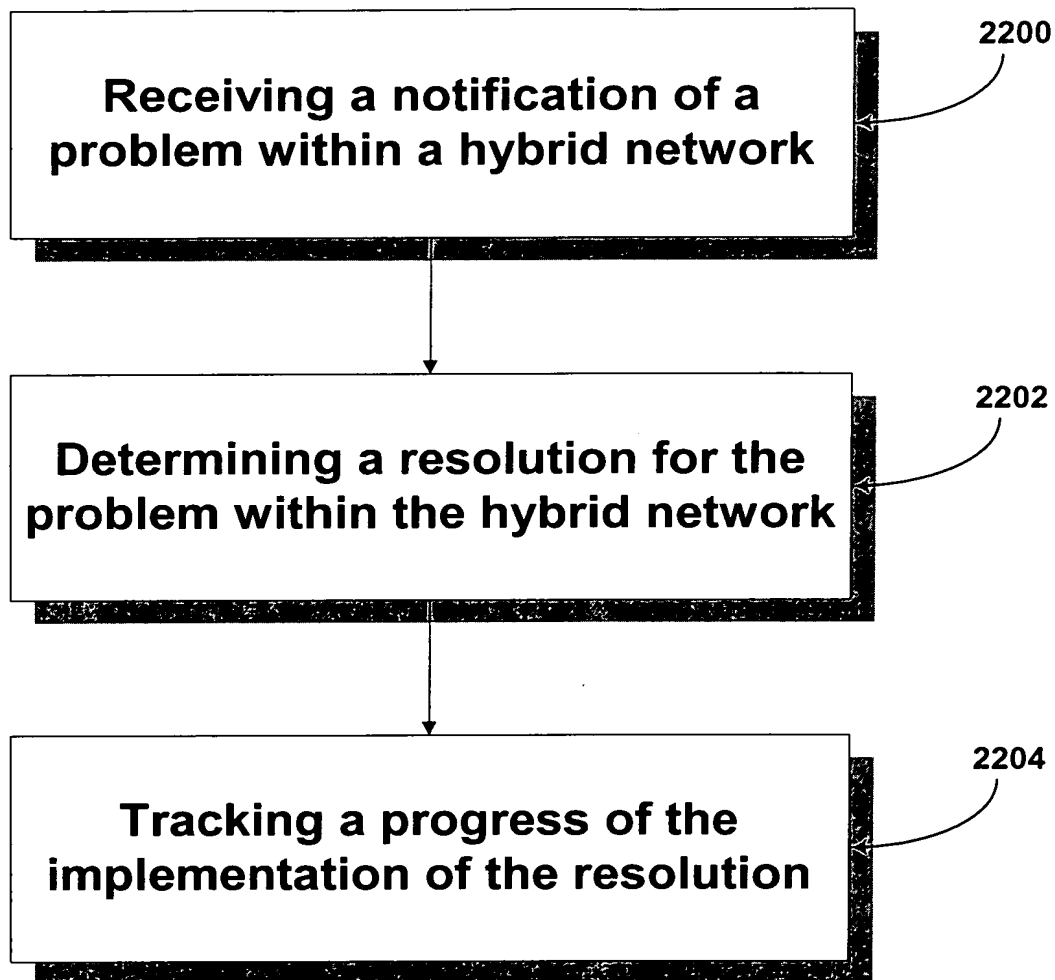


Figure 22

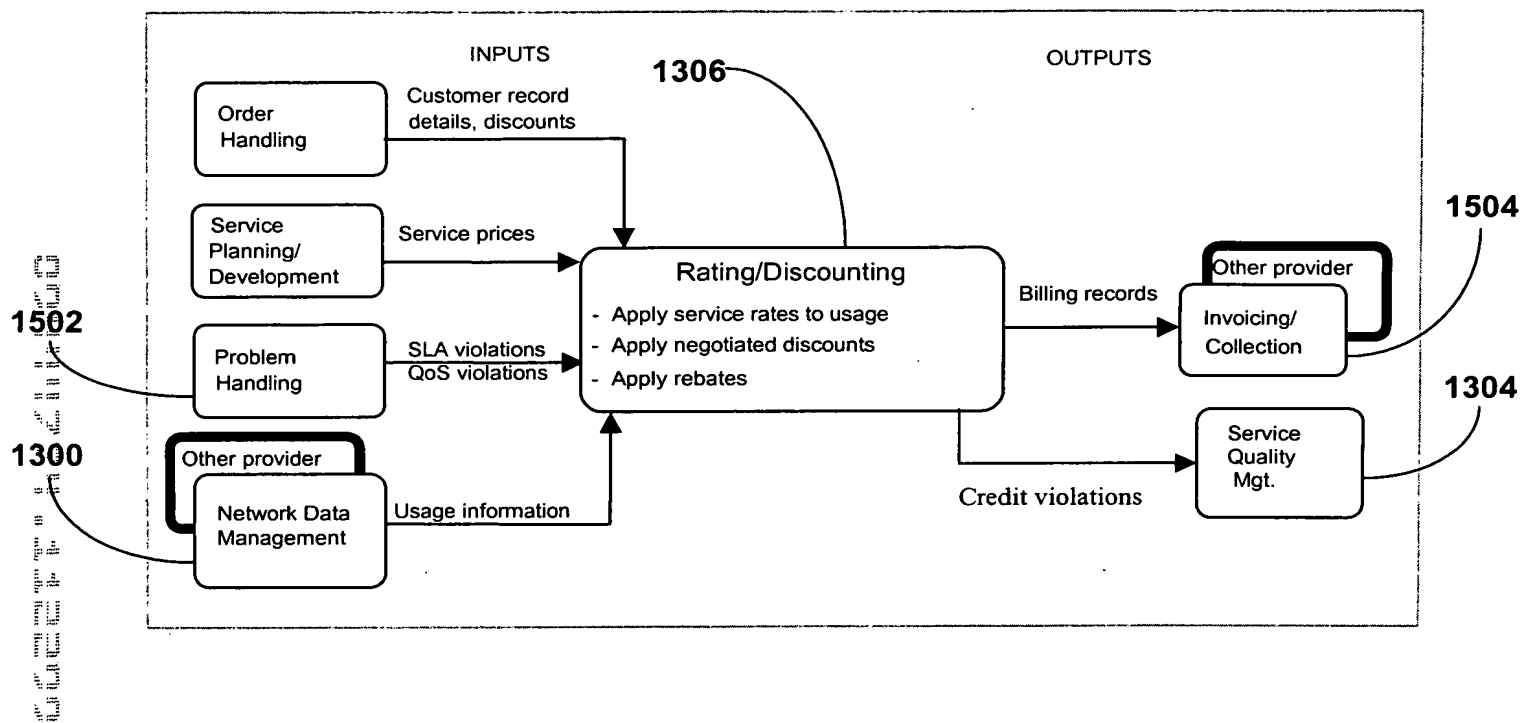


Figure 23

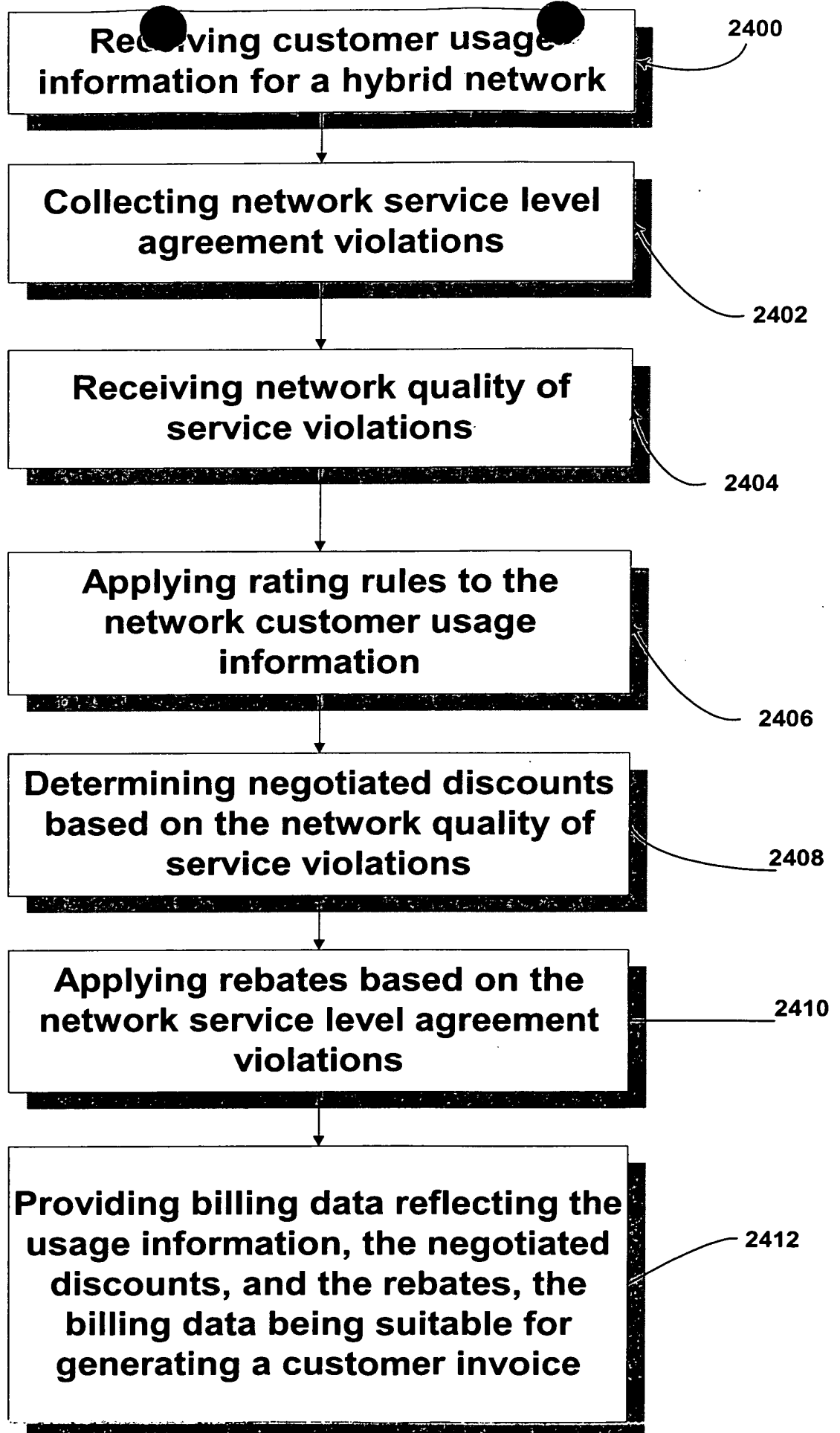


Figure 24

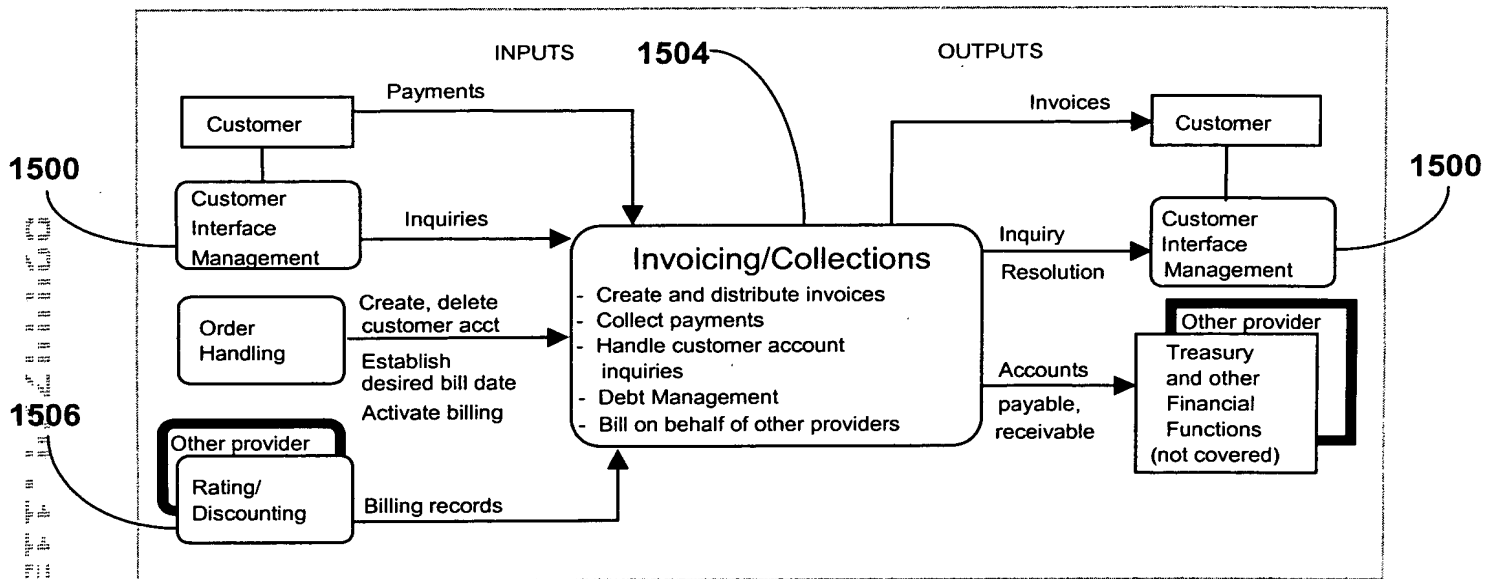


Figure 25

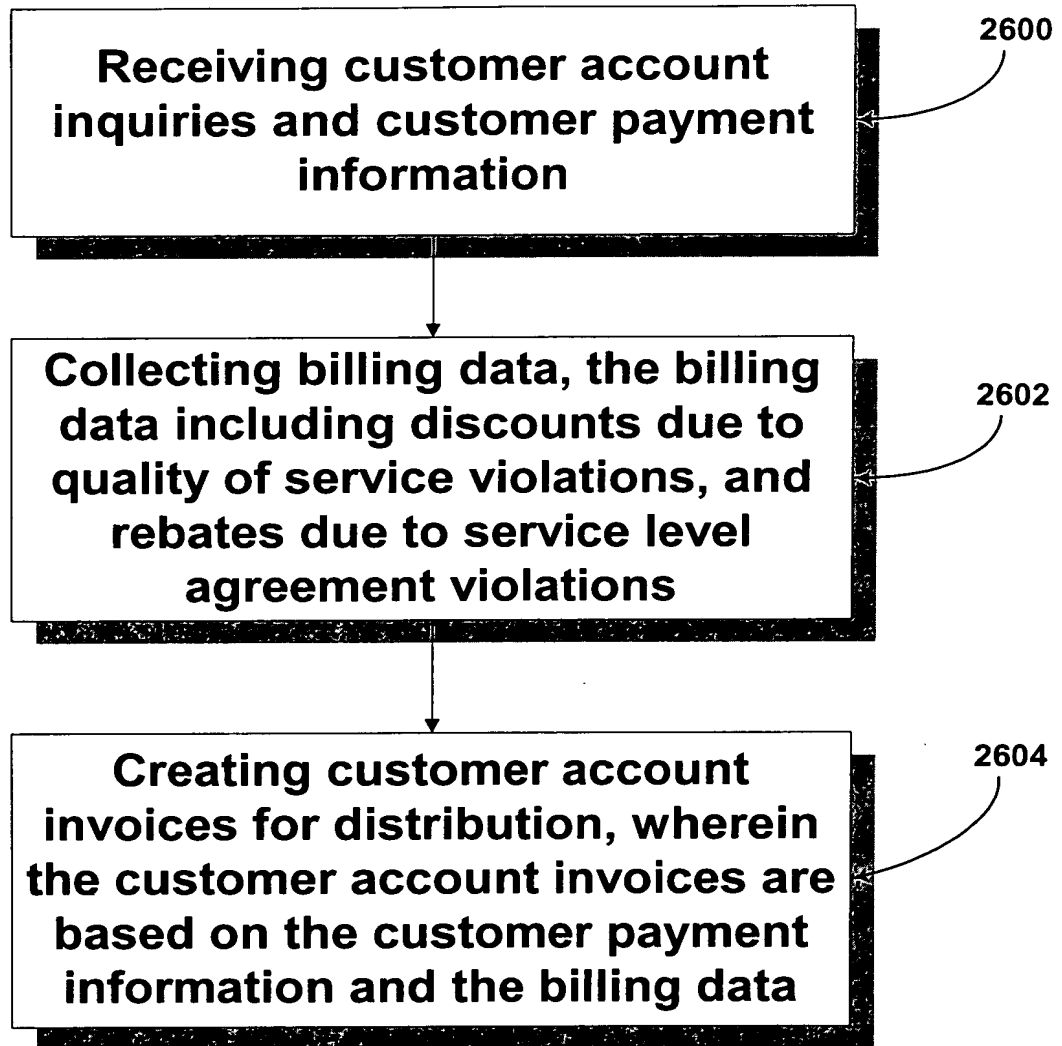


Figure 26

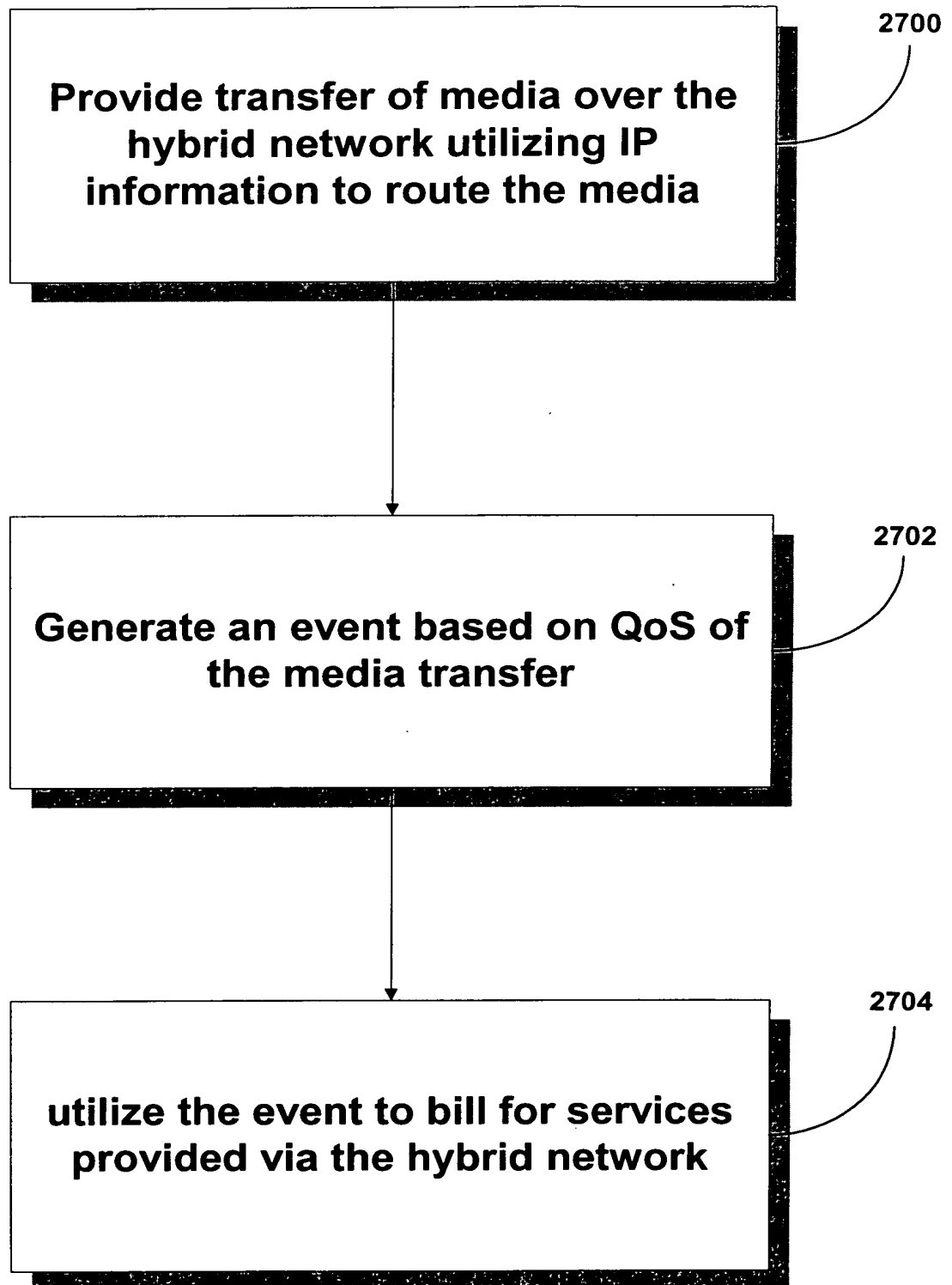


Figure 27

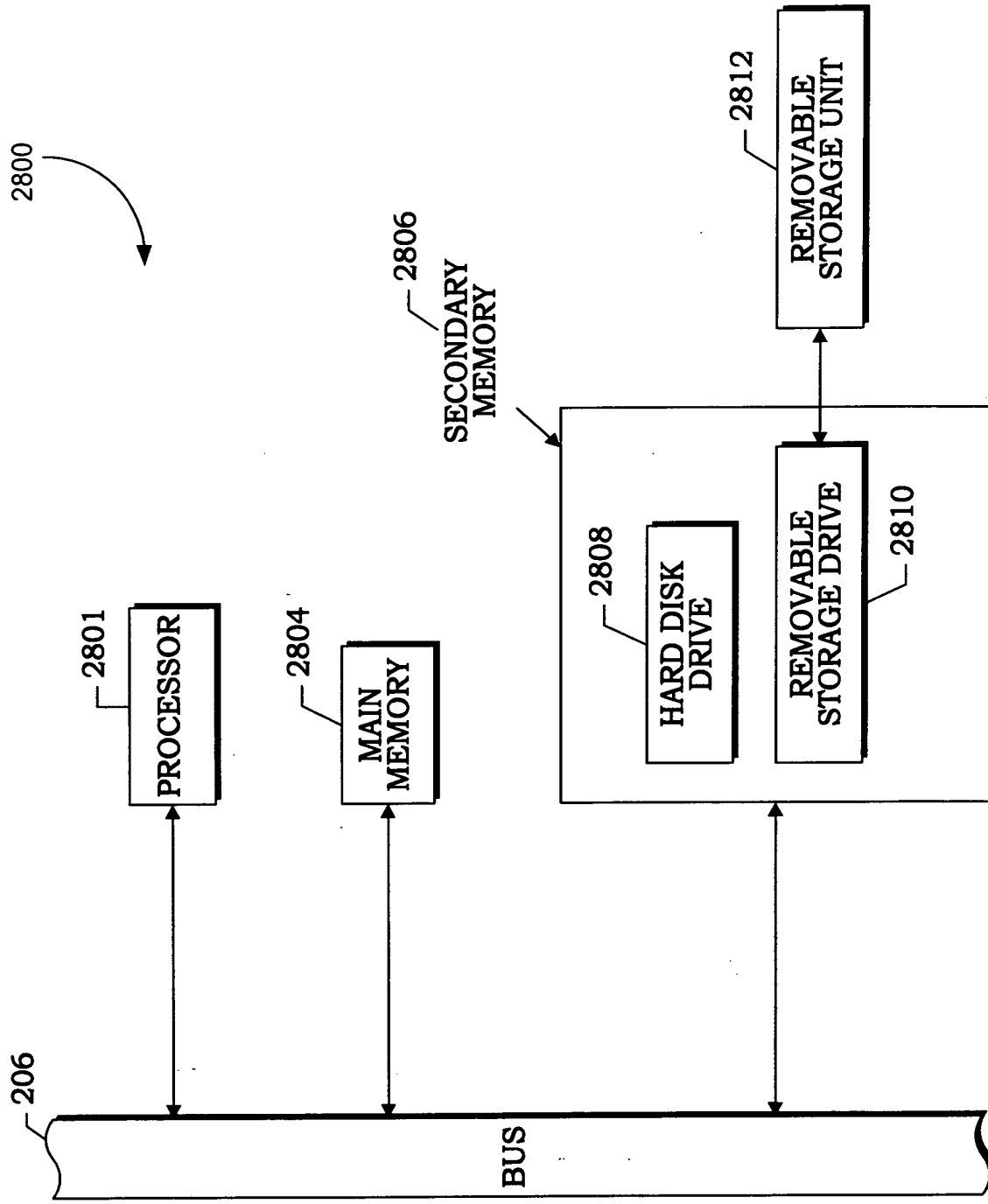


Figure 28

MSB																LSB															
BITS																00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
WORD	00	CR ID								CD ID																					
		TP1 BITS 0-15																													
01	02	TP1 BITS 16-31																													
		TP3 BITS 0-12												TP6 0-2																	
03	04	TP6 BITS 3-12										TP7 BITS 0-5																			
		TP7 BITS 6-21																													
05	06	OPL. ORIGINATING PORT 0-15																													
		OP	TPL. TERMINATING PORT 0-14																												
07	08	TP	OTG. ORIGINATING TRUNK GROUP													TT															
		TERMINATING TRUNK GROUP (1-12)												TP3Q																	
09	10	TP6Q	ACTION CODE						OTC				TTC																		
		ID1				ID2				ANI INDEX																					
11	12	CLI 1				CLI 2				CLI 3				CLI 4																	
		CLI 5				CLI 6				CLI 7				CLI 8																	
13	14	CLI 9				CLI 10				A1				A2																	
		A3				A4				A5				A6																	
15	16	A7				A8				A9				A10																	
		A11				A12				A13				A14																	
17	18	A15				A16				A17				A18																	
		A19				A20				A21				A22																	
19	20	D1				D2				D3				D4																	
		D5				D6				D7				D8																	
21	22	D9				D10				D11				D12																	
		D13				D14				D15				D16																	
23	24	D17				PTD1				PTD2				PTD3																	
		PTD4				PTD5				PTD6				PTD7																	
25	26	PTD8				PTD9				PTD10																					
		FC				TMC				KAT				TP7Q																	
27	28	EC, ENTRY CODE								PD				ND ID				DIVID													
		D0		CC	IN		SC	CD	DE	DT			SA	NOCLI																	
29	30	CN1				CN2				CN3				CN4																	
		ACIF				SS7 RELEASE CODE								NCIDSEQ				NL	RS												
31		BIT																													
		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15														

Figure 29

MSB																LSB															
BITS		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15														
WORD	00	CR ID								CD ID																					
	01	TP1 BITS 0-15																													
	02	TP1 BITS 16-31																													
	03	TP3 BITS 0-12												TP6 0-2																	
	04	TP6 BITS 3-12										TP7 BITS 0-5																			
	05	TP7 BITS 6-21																													
	06	OPL. ORIGINATING PORT 0-15																													
	07	OP	TPL. TERMINATING PORT 0-14																												
	08	TP		OTG. ORIGINATING TRUNK GROUP												TT															
	09	TERMINAGING TRUNK GROUP (1-12)												TP3Q																	
	10	TP6Q		ACTION CODE						OTC				TTC																	
	11	ID1				ID2				ANI INDEX																					
	12	CLI 1				CLI 2				CLI 3				CLI 4																	
	13	CLI 5				CLI 6				CLI 7				CLI 8																	
	14	CLI 9				CLI 10				CLI11				CLI12																	
	15	CLI13				CLI14				CLI15				A1																	
	16	A2				A3				A4				A5																	
	17	A6				A7				A8				A9																	
	18	A10				A11				A12				A13																	
	19	A14				A15				A16				A17																	
	20	A18				A19				A20				A21																	
	21	A22				A23				A24				A25																	
	22	A26				A27				A28				A29																	
	23	A30				A31				A32				A33																	
	24	A34				A35				A36				A37																	
	25	A38				A39				A40				A41																	
	26	A42				A43				A44				A45																	
	27	FC				TMC				KAT				TP7Q																	
	28	EC, ENTRY CODE								PD				ND ID				DIVID													
	29	D0	MN	CC	IN		SC	CD	DE	DT			SA	NOCLI																	
	30	CN1				CN2				CN3				CN4																	
31	ACIF				SS7 RELEASE CODE								NCIDSEQ				NL	RS													
BIT		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15														

Figure 30

MSB													LSB			
BITS																
00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	
WORD 32																
33																
34	ID1			ID2			ID3			ID4						
35	ID5			ID6			ID7			ID8						
36	ID9			ID10			ID11			ID12						
37	ID13			ID14			ID15			ID16						
38	ID17			ID18			ID19			ID20						
39	ID21			ID22			ID23			ID24						
40	ID25			PTD1			PTD2			PTD3						
41	PTD4			PTD5			PTD6			PTD7						
42	PTD8			PTD9			PTD10			PTD11						
43	PTD12			PTD13			PTD14			PTD15						
44	EIR CALL TYPE						OVFAL						CB			
45	OVFCL			DTA 1			DTA 2			DTA 3						
46	DTA 4			DTA 5			DTA 6			DTA 7						
47	DTA 8			DTA 9			DTA 10			DTA 11						
48	DTA 12			DTA 13			DTA 14			DTA 15						
49	OVFC						DTAC								NCID	
50	NETWORK CALL IDENTIFIER (NCID)															
51	NETWORK CALL IDENTIFIER (NCID)															
52	NETWORK CALL IDENTIFIER (NCID)															
53	NETWORK CALL IDENTIFIER (NCID)															
54	NETWORK CALL IDENTIFIER (NCID)															
55																
56																
57																
58																
59										OUS TYPE			OUIE			
60	OUIE COUNT CONT.												OVFCS			
61	ORIGINATING NX64 BITMAP (1-16)															
62	ORIG NX64 BITMAP(17-24)								TERM NX64 BITMAP(17-24)							
63	TERMINATING NX64 BITMAP(9-24)															
BIT	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15

Figure 31

MSB																LSB															
BITS		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15														
WORD	00	CR ID								CD ID																					
	01	TP1 BITS 0-15																													
	02	TP1 BITS 16-31																													
	03	TP4 BITS 0-12																TP6 0-2													
	04	TP6 BITS 3-12																TP7 BITS 0-5													
	05	TP7 BITS 6-21																													
	06	OPL. ORIGINATING PORT 0-15																													
	07	OP	TPL. TERMINATING PORT 0-14																												
	08	TP	OTG. ORIGINATING TRUNK GROUP																TT												
	09	TERMINAGING TRUNK GROUP (1-12)																TP3Q													
	10	TP6Q	ACTION CODE								OTC								TTC												
	11	ID1				ID2				ONACC								TNACC													
	12	CLI 1				CLI 2				CLI 3								CLI 4													
	13	CLI 5				CLI 6				CLI 7								CLI 8													
	14	CLI 9				CLI 10				A1								A2													
	15	A3				A4				A5								A6													
	16	A7				A8				A9								A10													
	17	A11				A12				A13								A14													
	18	A15				A16				A17								A18													
	19	A19				A20				A21								A22													
	20	D1				D2				D3								D4													
	21	D5				D6				D7								D8													
	22	D9				D10				D11								D12													
	23	D13				D14				D15								D16													
	24	D17				OPIN																									
	25	OPIN			TPS BITS 0-12																										
	26	RN1				RN2				RN3								RN4													
	27	FC				TMC				KAT								TP7Q													
	28	EC, ENTRY CODE								PD				ND ID								DIVID									
	29	D0		CC	IN		SC	CD	DE	DT	PP	XC	SA					NOCLI													
	30	CN1				CN2				CN3								CN4													
31	ACIF				SS7 RELEASE CODE								NCIDSEQ				NL					RS									
BITS		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15														

Figure 32

MSB																LSB															
BITS		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15														
WORD	00	CR ID								CD ID																					
	01	TP1 BITS 0-15																													
	02	TP1 BITS 16-31																													
	03	TP4 BITS 0-12												TP6 0-2																	
	04	TP6 BITS 3-12										TP7 BITS 0-5																			
	05	TP7 BITS 6-21																													
	06	OPL. ORIGINATING PORT 0-15																													
	07	OP	TPL. TERMINATING PORT 0-14																												
	08	TP	OTG. ORIGINATING TRUNK GROUP												TT																
	09	TERMINATING TRUNK GROUP (1-12)												TP3Q																	
	10	TP6Q	ACTION CODE						OTC				TTC																		
	11	ID1				ID2				ONACC				TNACC																	
	12	CLI 1				CLI 2				CLI 3				CLI 4																	
	13	CLI 5				CLI 6				CLI 7				CLI 8																	
	14	CLI 9				CLI 10				CLI 11				CLI 12																	
	15	CLI 13				CLI 14				CLI 15				A1																	
	16	A2				A3				A4				A5																	
	17	A6				A7				A8				A9																	
	18	A10				A11				A12				A13																	
	19	A14				A15				A16				A17																	
	20	A18				A19				A20				A21																	
	21	A22				A23				A24				A25																	
	22	A26				A27				A28				A29																	
	23	A30				A31				A32				A33																	
	24	A34				A35				A36				A37																	
	25	A38				A39				A40				A41																	
	26	A42				A43				A44				A45																	
	27	FC				TNC				KAT				TF7Q																	
	28	EC, ENTRY CODE								PD				ND ID				DIVID													
	29	DO	MM	CC	IN		SC	CD	DE	DT	PP	XC	SA	NOCLI																	
	30	CN1				CN2				CN3				CN4																	
	31	ACIF				SS7 RELEASE CODE								NCIDSEQ				NL	RS												
BITS		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15														
EOSR/EOSR FORMAT																															

EOSR/EOSR FORMAT

Figure 33

MSB										LSB						
BITS	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
32	T&C GUEST 1								T&C GUEST 2							
33	T&C GUEST 3								T&C GUEST 4							
34	ID1				ID2				ID3				ID4			
35	ID5				ID6				ID7				ID8			
36	ID9				ID10				ID11				ID12			
37	ID13				ID14				ID15				ID16			
38	ID17				ID18				ID19				ID20			
39	ID21				ID22				ID23				ID24			
40	ID25				PTD1				PTD2				PTD3			
41	PTD4				PTD5				PTD6				PTD7			
42	PTD8				PTD9				PTD10				PTD11			
43	PTD12				PTD13				PTD14				PTD15			
44	EIR CALL TYPE								OVFAL							CB
45	OVFCL				DTA 1				DTA 2				DTA 3			
46	DTA 4				DTA 5				DTA 6				DTA 7			
47	DTA 8				DTA 9				DTA 10				DTA 11			
48	DTA 12				DTA 13				DTA 14				DTA 15			
49	OVFC						DTAC								NCID	
50	NETWORK CALL IDENTIFIER (NCID)															
51	NETWORK CALL IDENTIFIER (NCID)															
52	NETWORK CALL IDENTIFIER (NCID)															
53	NETWORK CALL IDENTIFIER (NCID)															
54	NETWORK CALL IDENTIFIER (NCID)															
55	T&C ROOM 1								T&C ROOM 2							
56	T&C ROOM 3								T&C ROOM 4							
57	T&C ROOM 5								T&C ROOM 6							
58	EAC1				EAC2				EAC3				EAC4			
59	EAC5				EAC6				EAC7				EAC8			
60	EAC9				EAC10				EAC11				EAC12			
61	OPIN													OVFCS		
62	TP5-OPERATOR RELEASE															
63	RN1				RN2				RN3				RN4			
BIT	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15

Figure 34

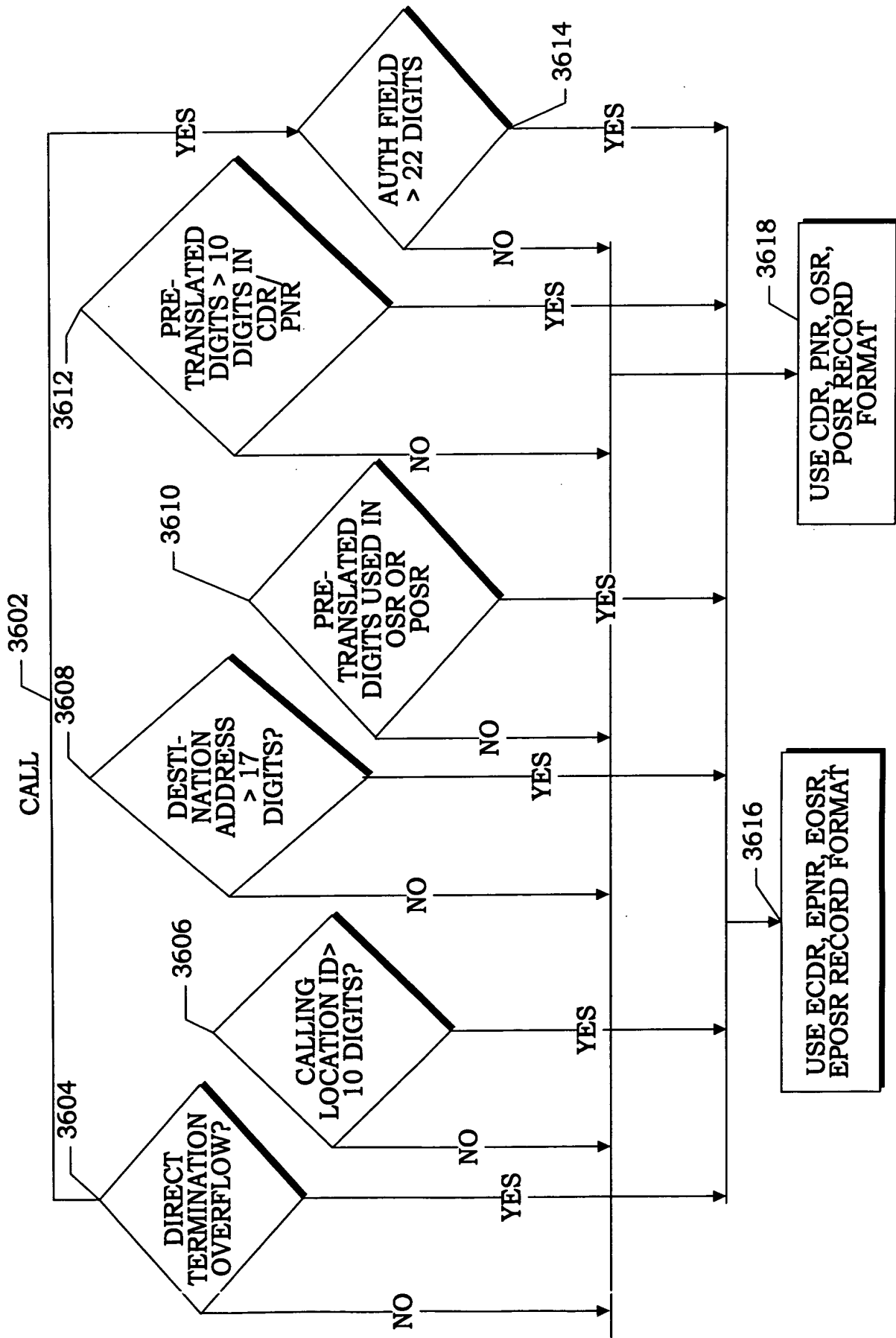


Figure 36

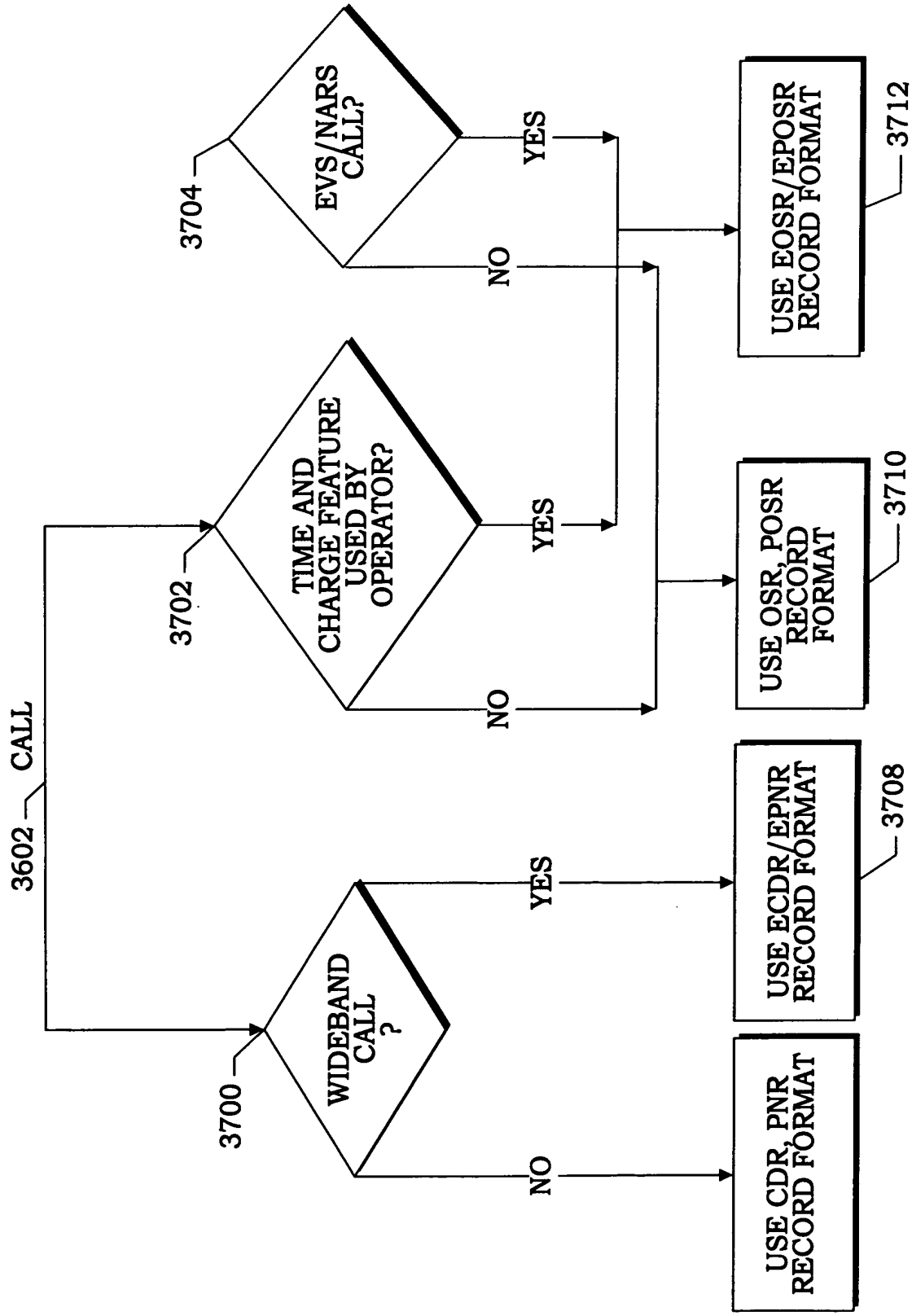


Figure 37

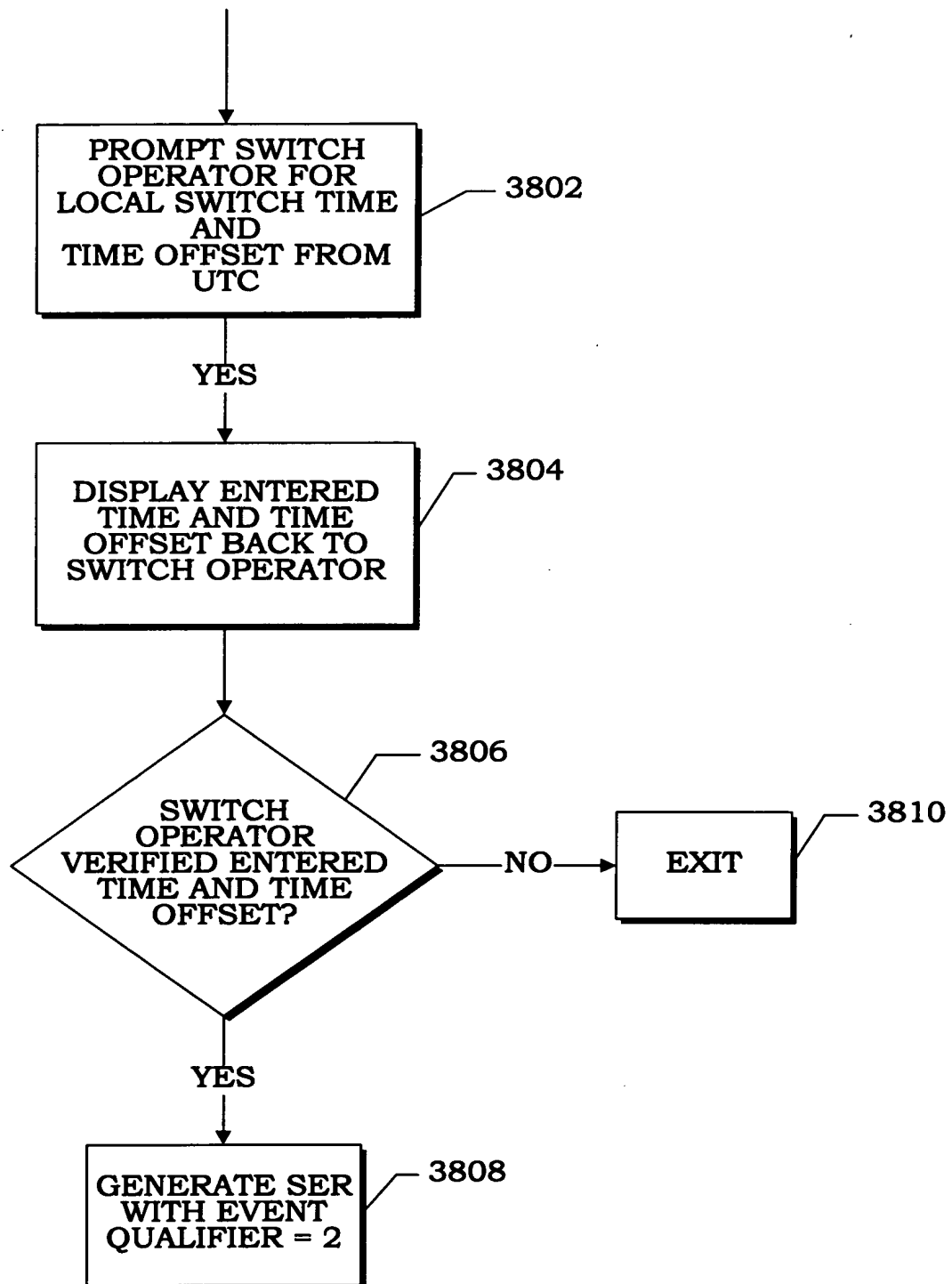


Figure 38

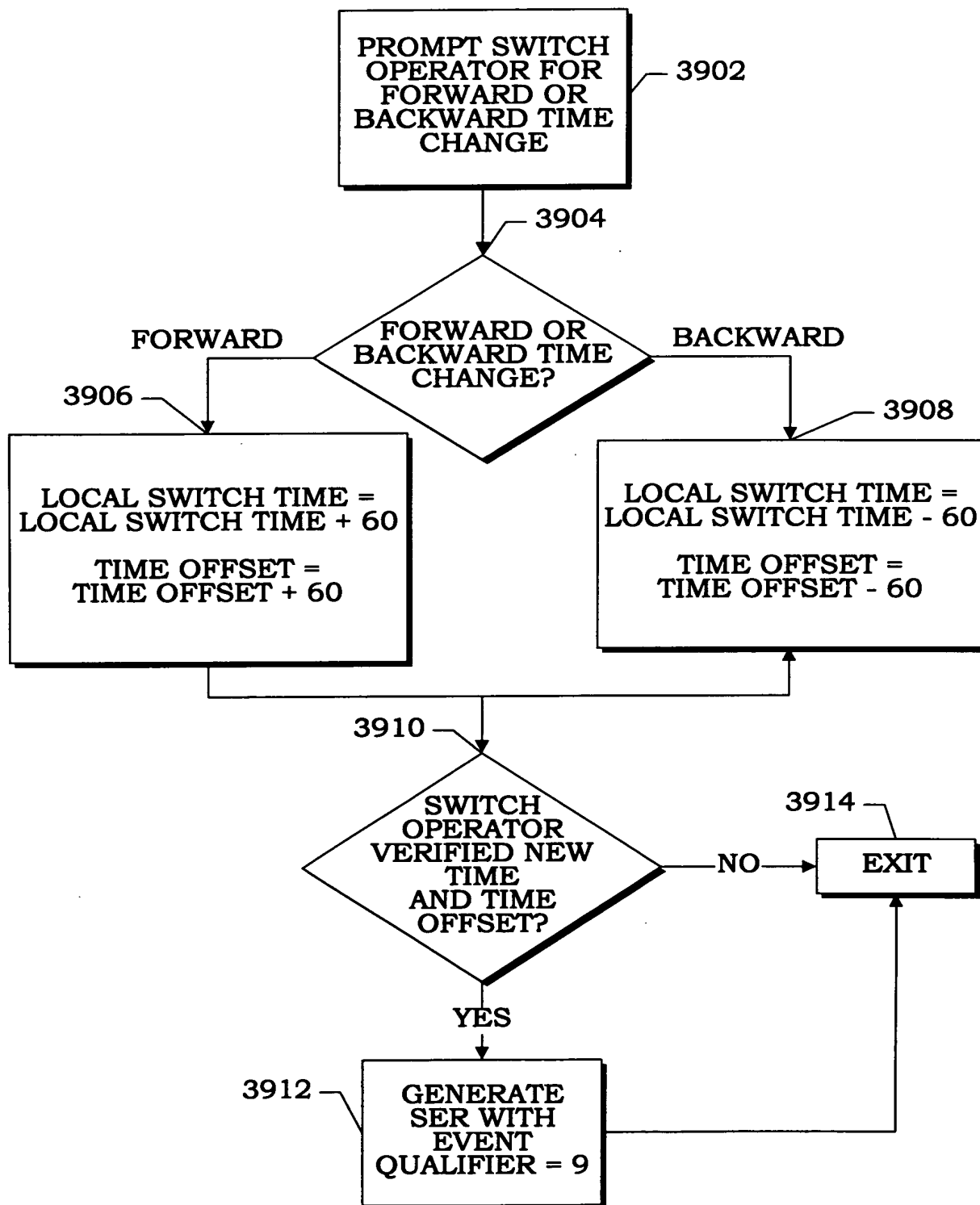


Figure 39

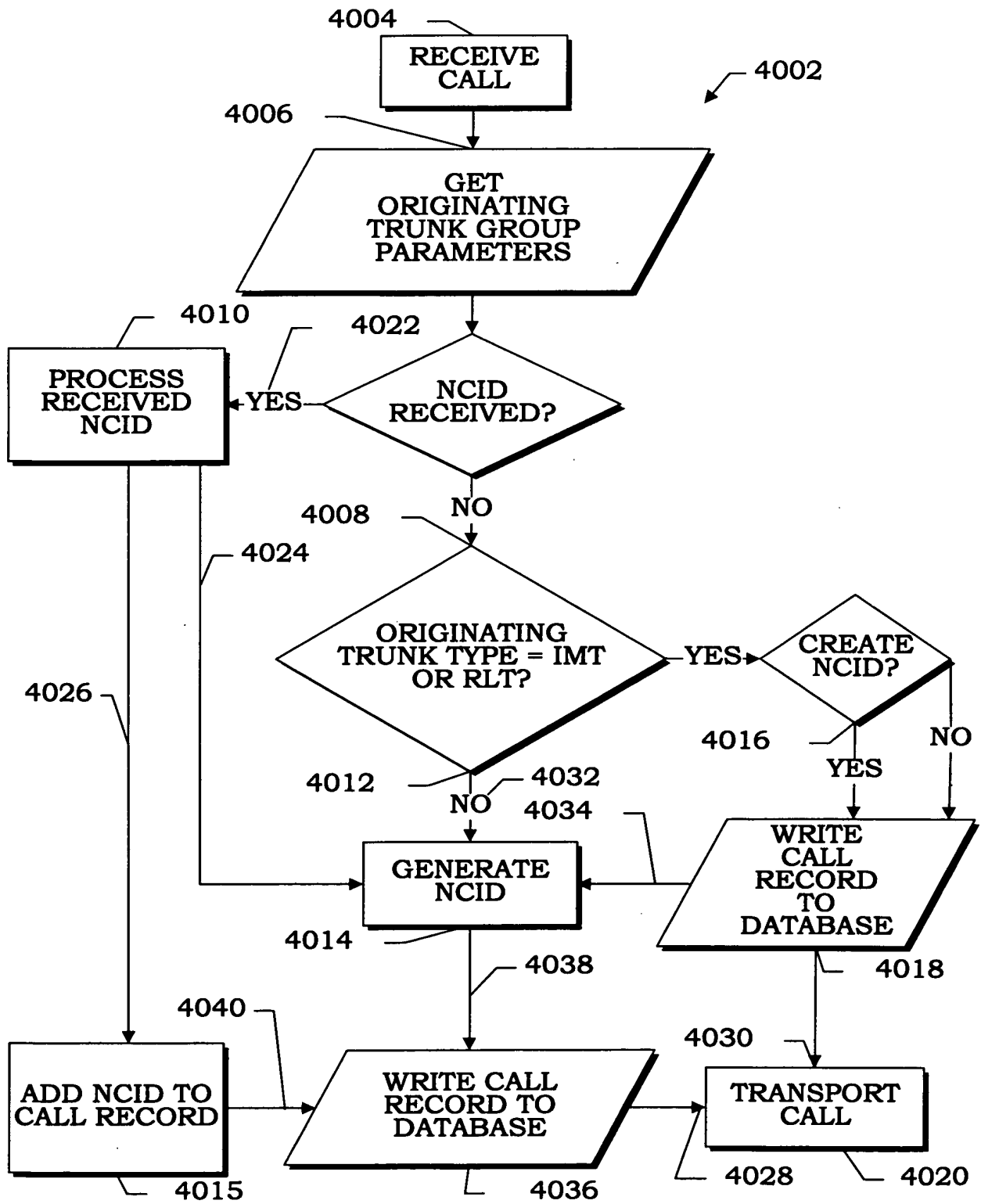


Figure 40

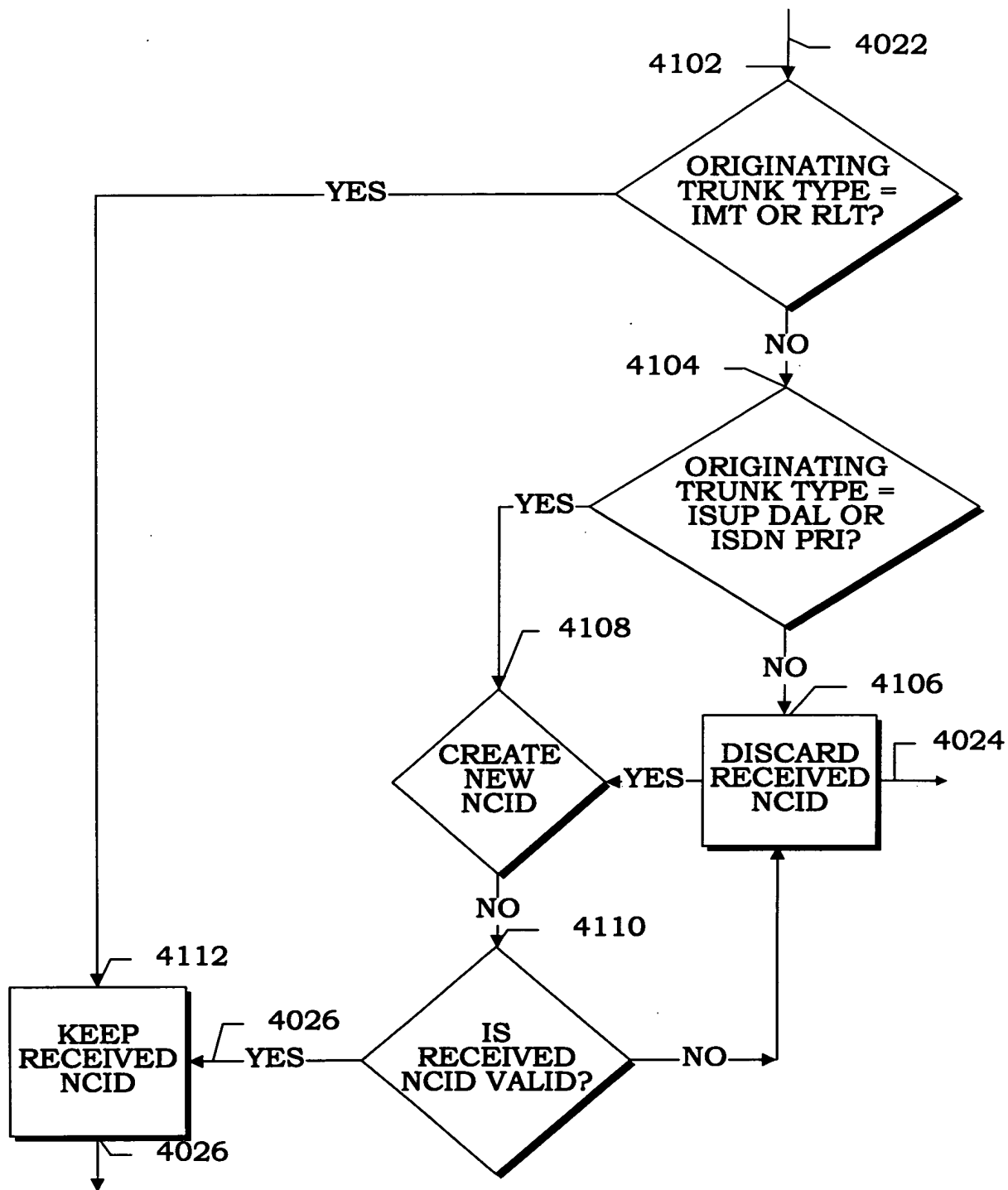


Figure 41

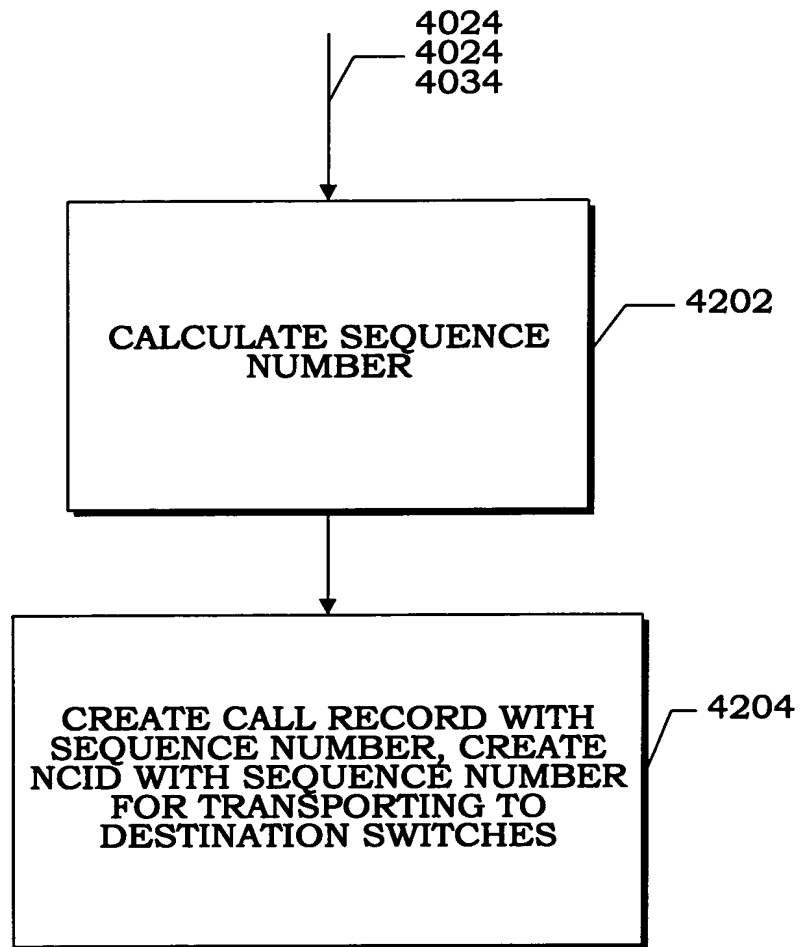


Figure 42

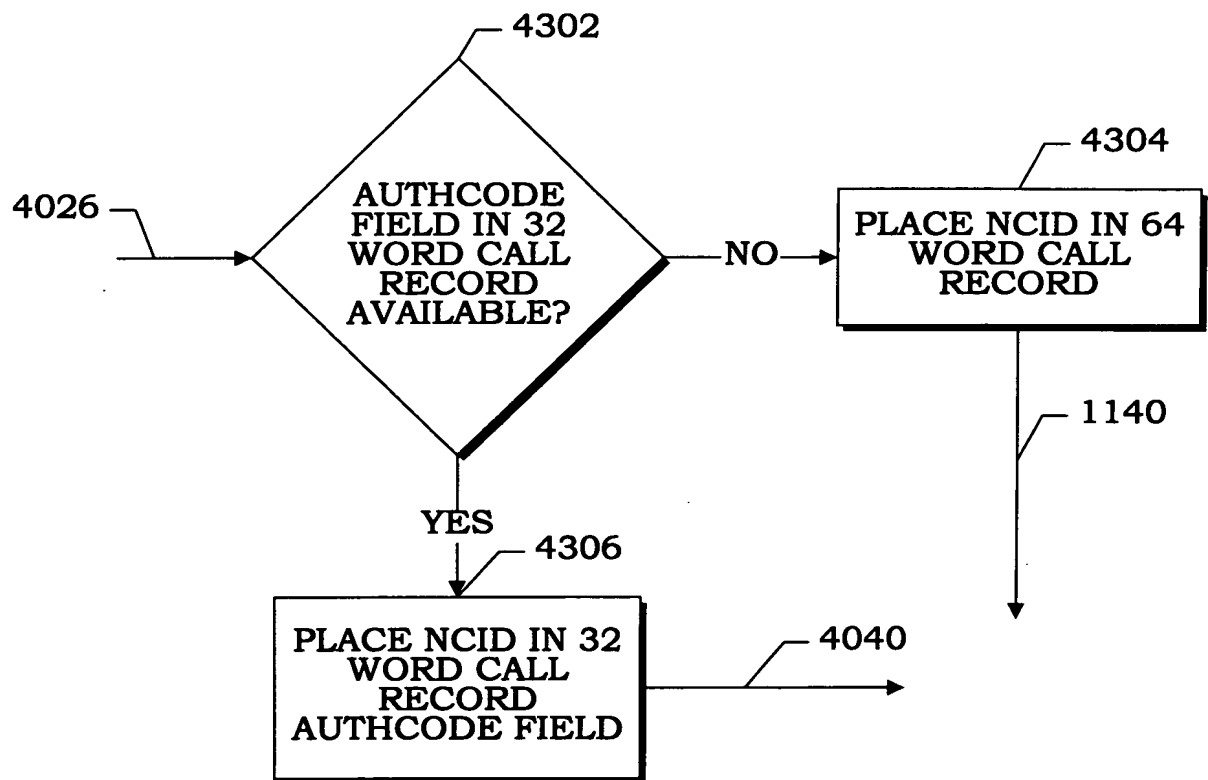


Figure 43

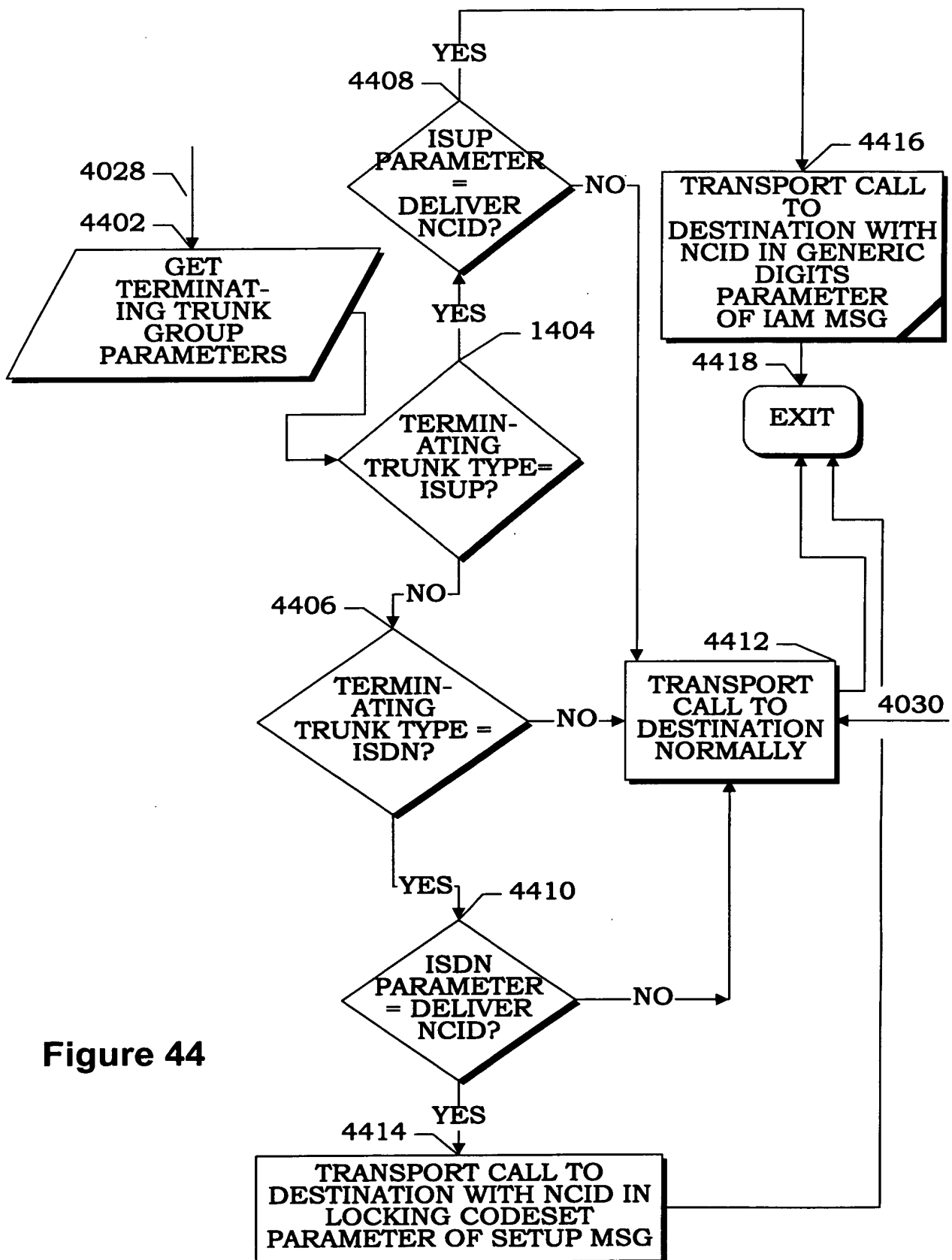


Figure 44

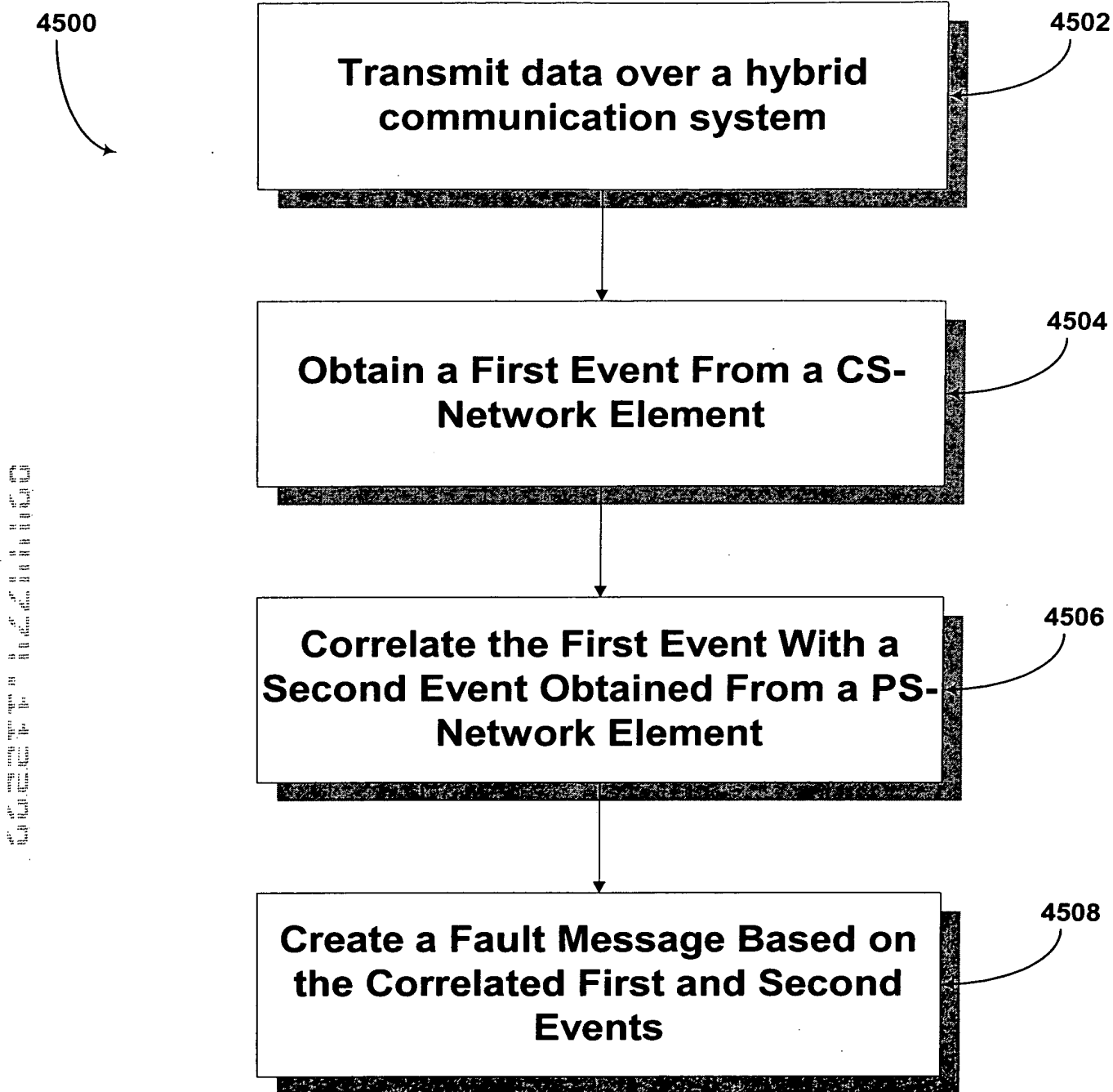


Figure 45

4600

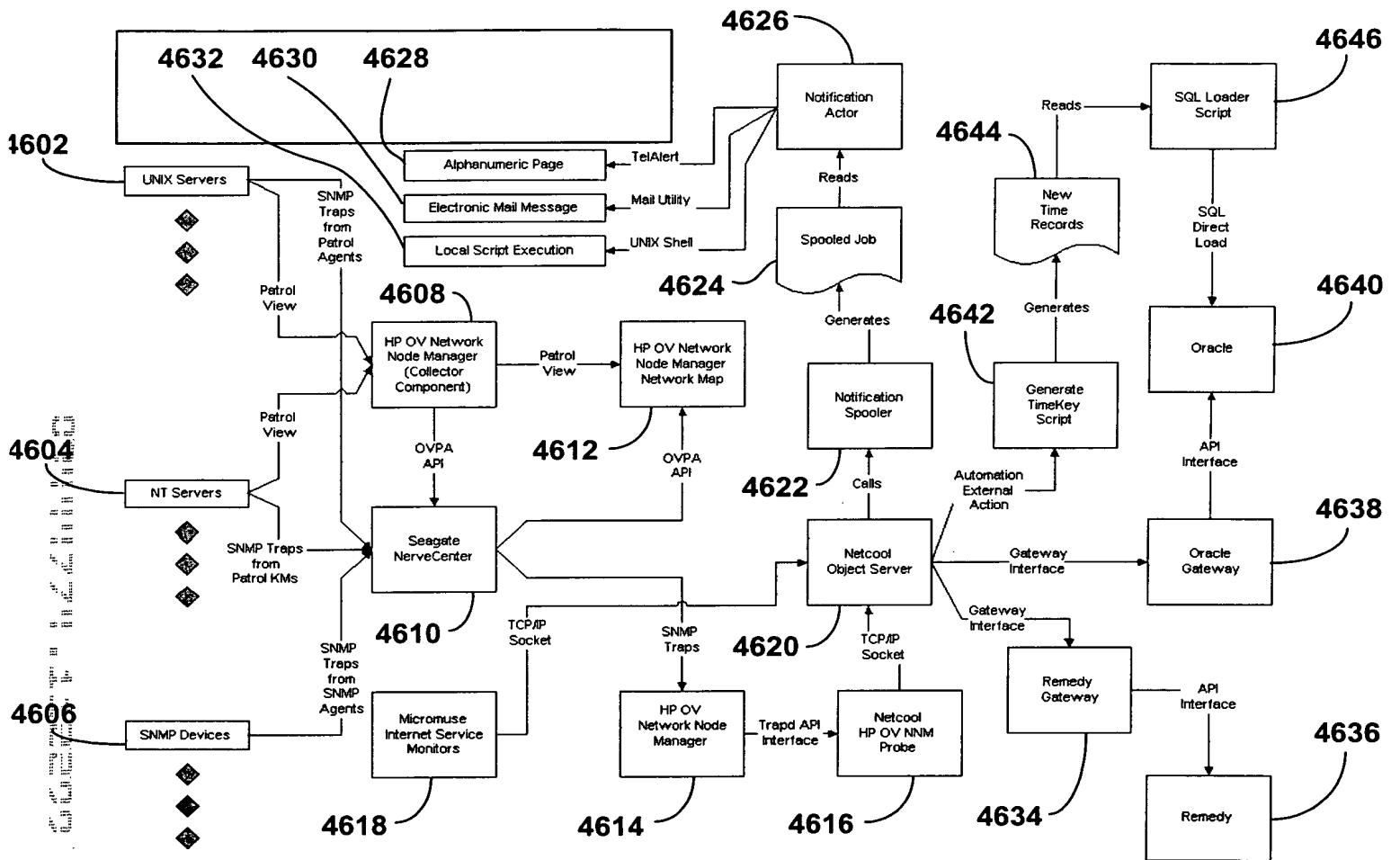


Figure 46

4700 4702 4704 4706 4708 4710

4700

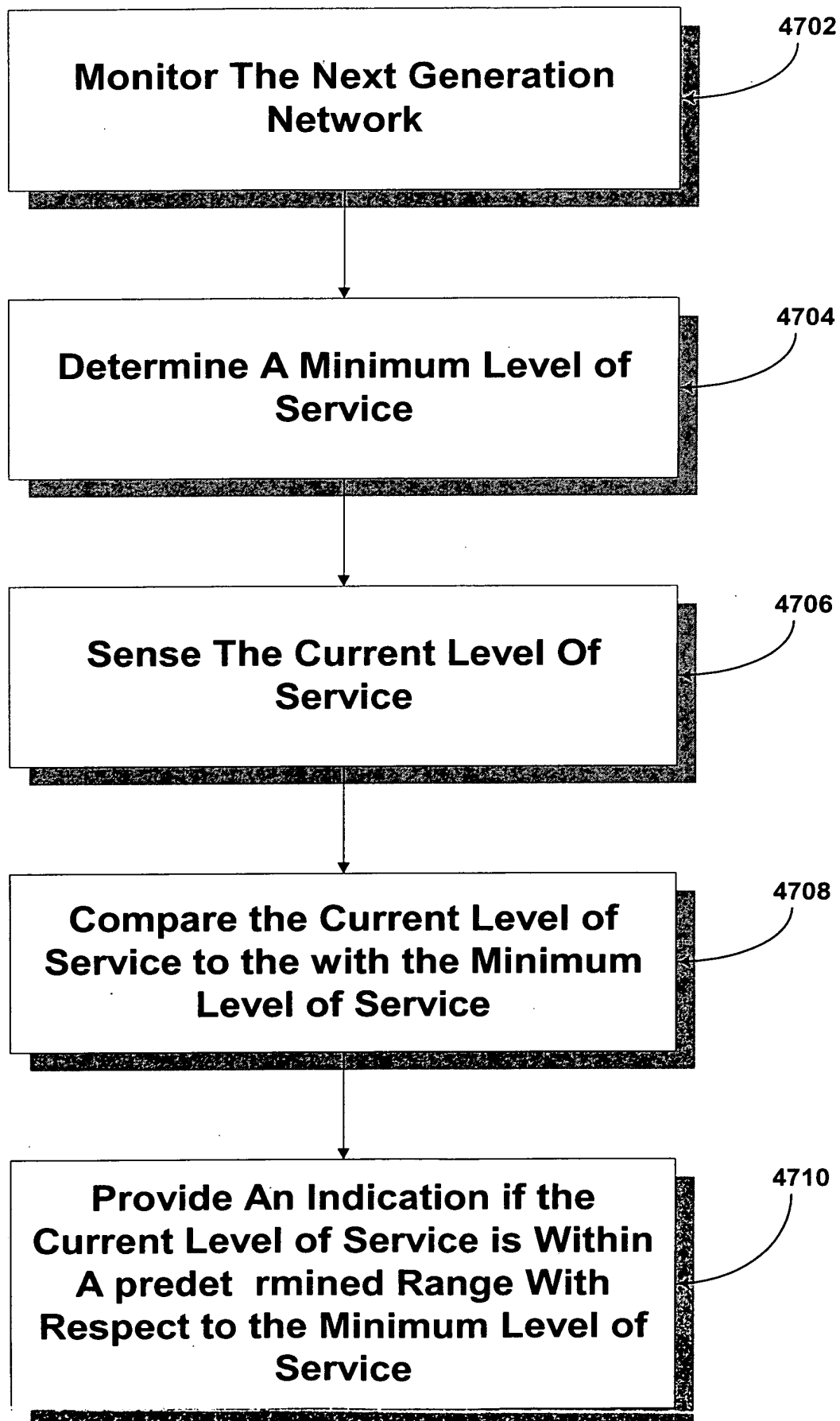


Figure 47

4800 4802 4804 4806 4808

4800

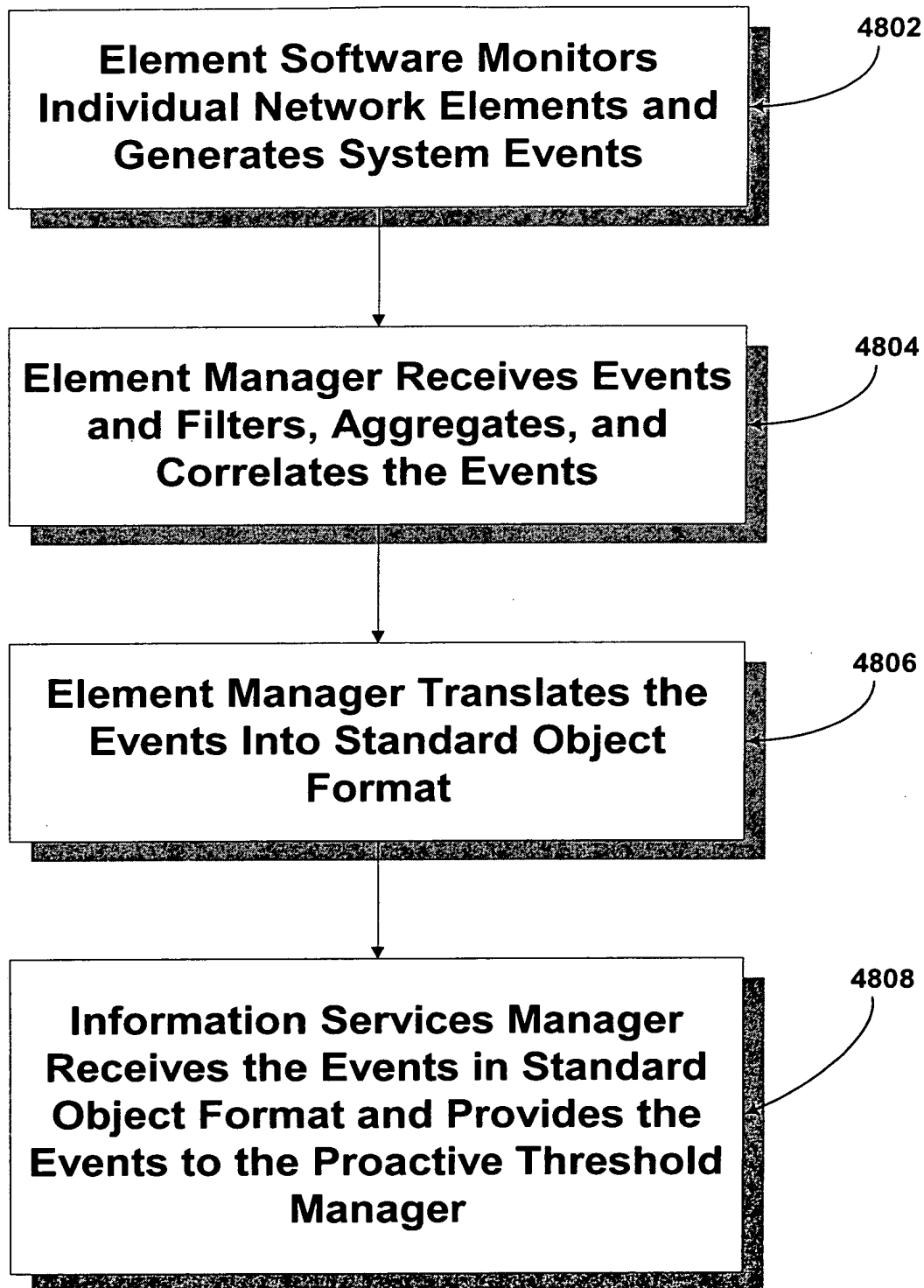


Figure 48

4900
4902
4904
4906
4908

4900

**Monitor The Next Generation
Network**

4902

**Receive Events From Network
Elements**

4904

**Filter and Correlate the Received
Events**

4906

**Translate the Events Into Standard
Object Format**

4908

Figure 49

5000

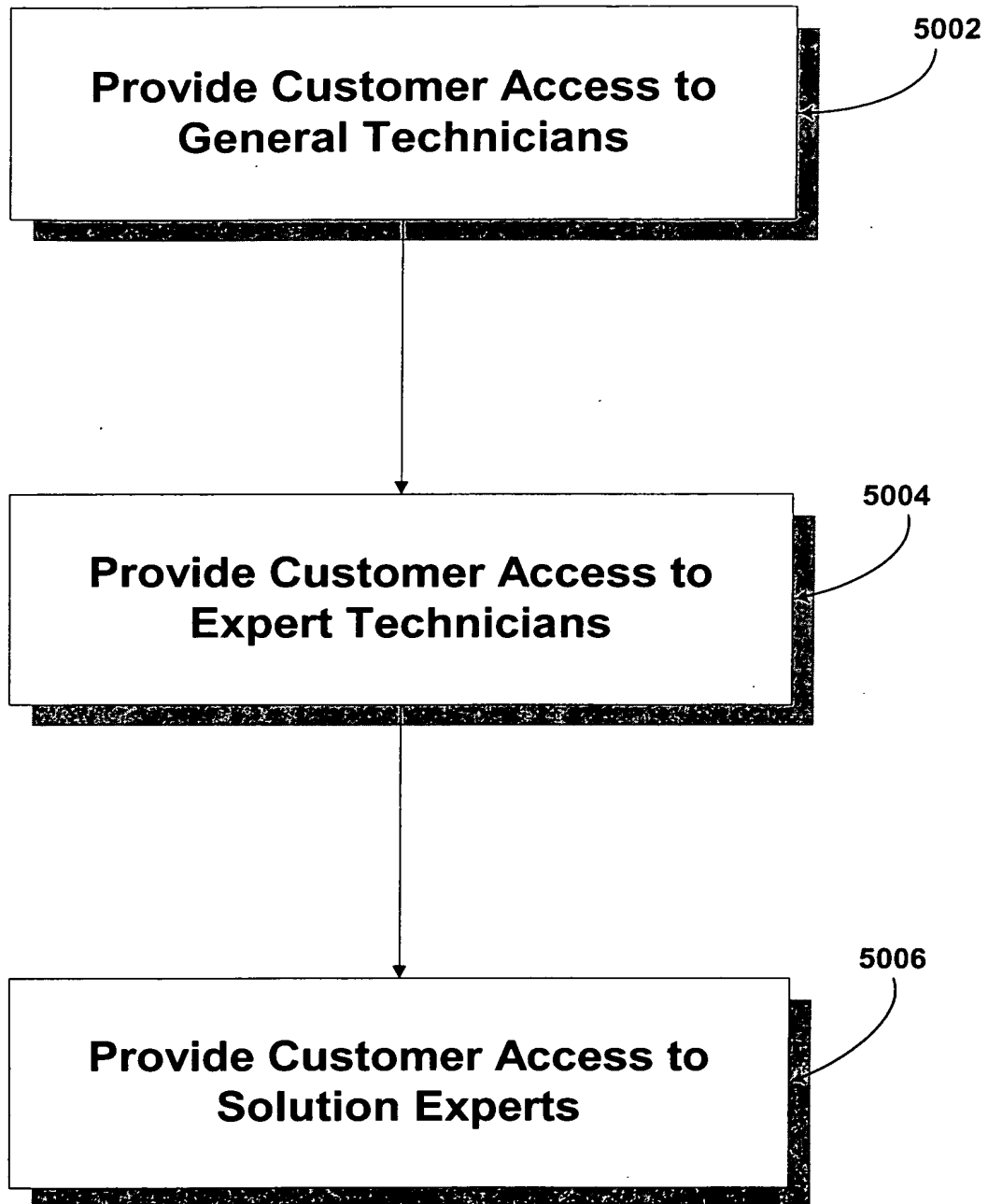


Figure 50

5100

5100

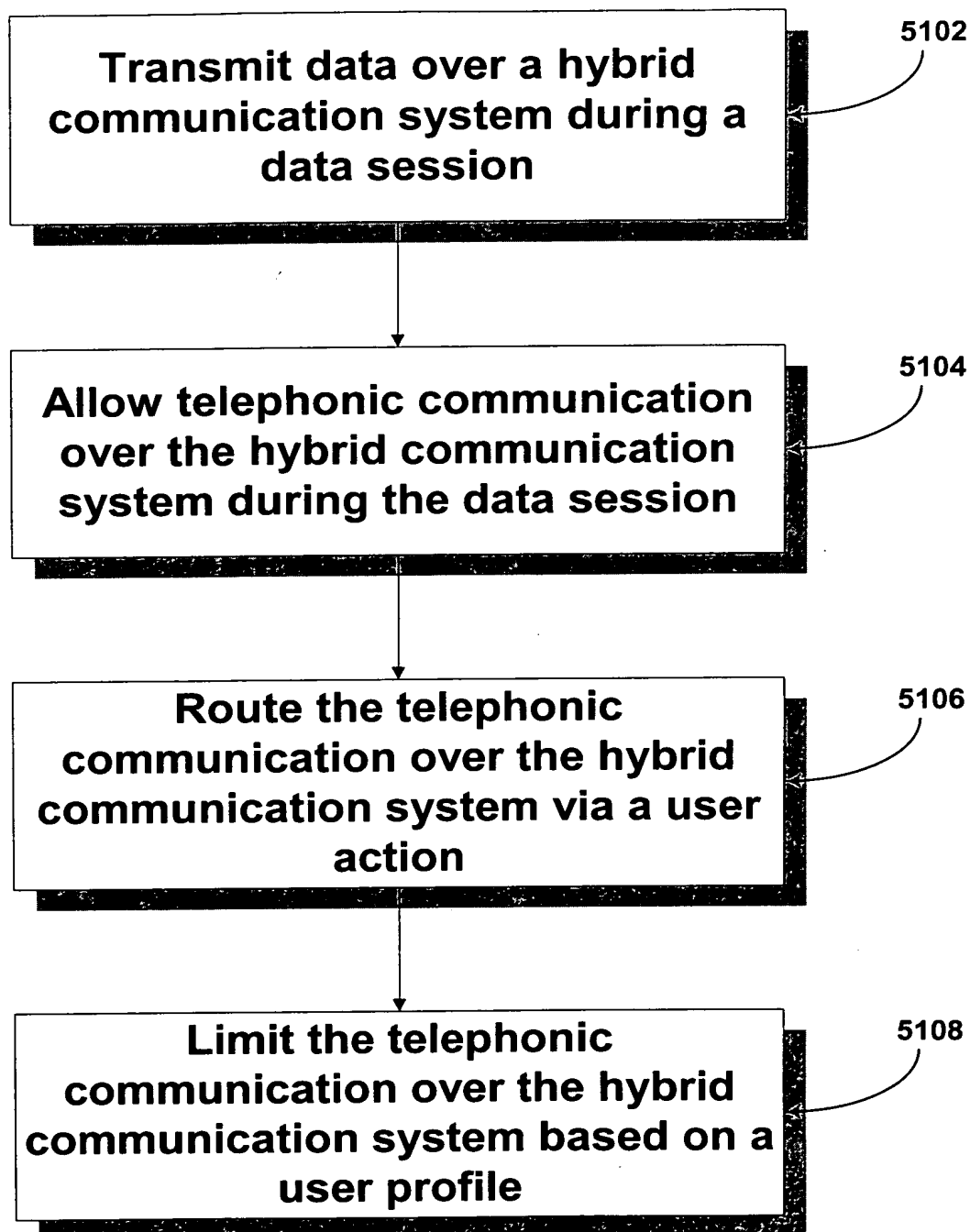


Figure 51

5200

5200

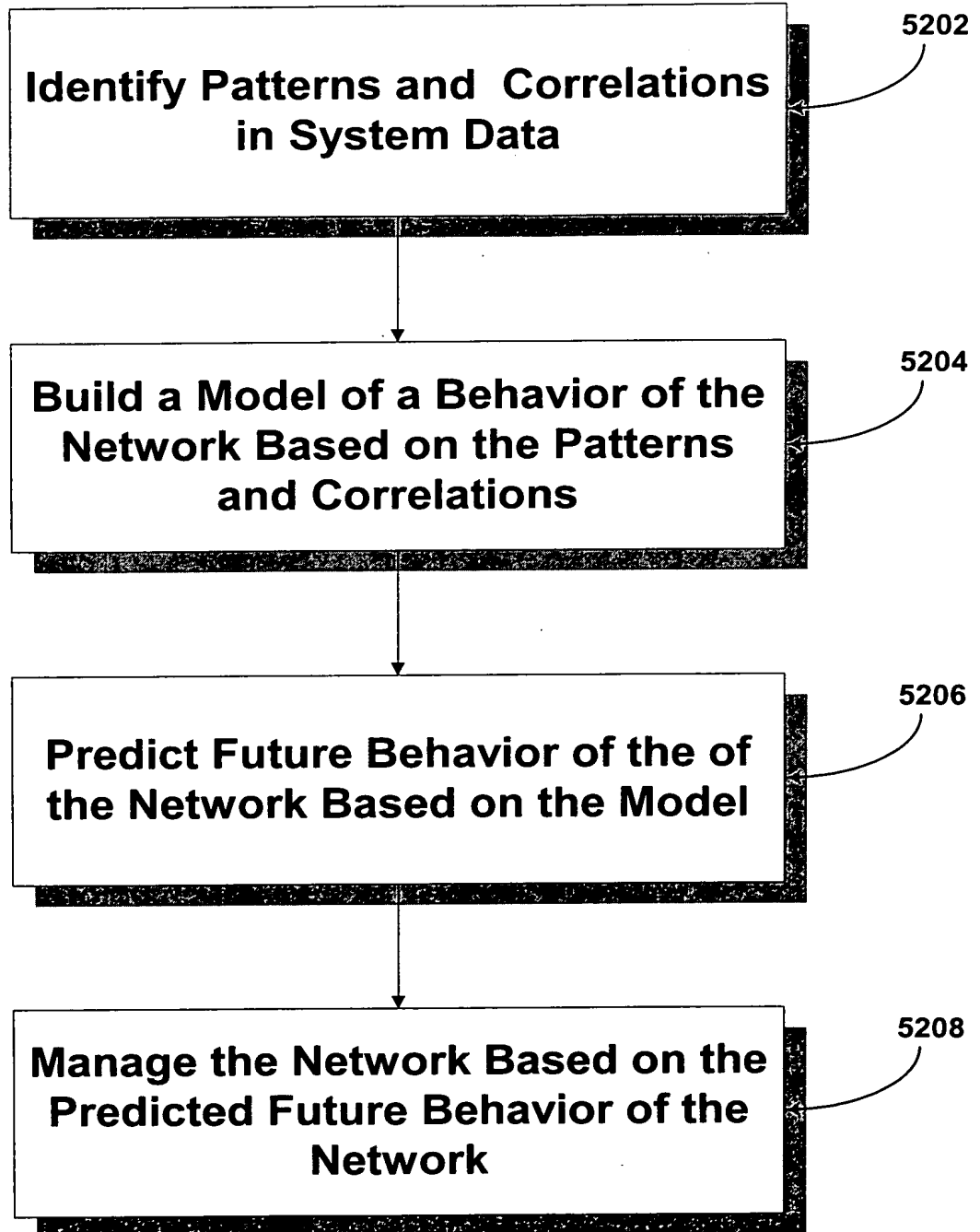


Figure 52

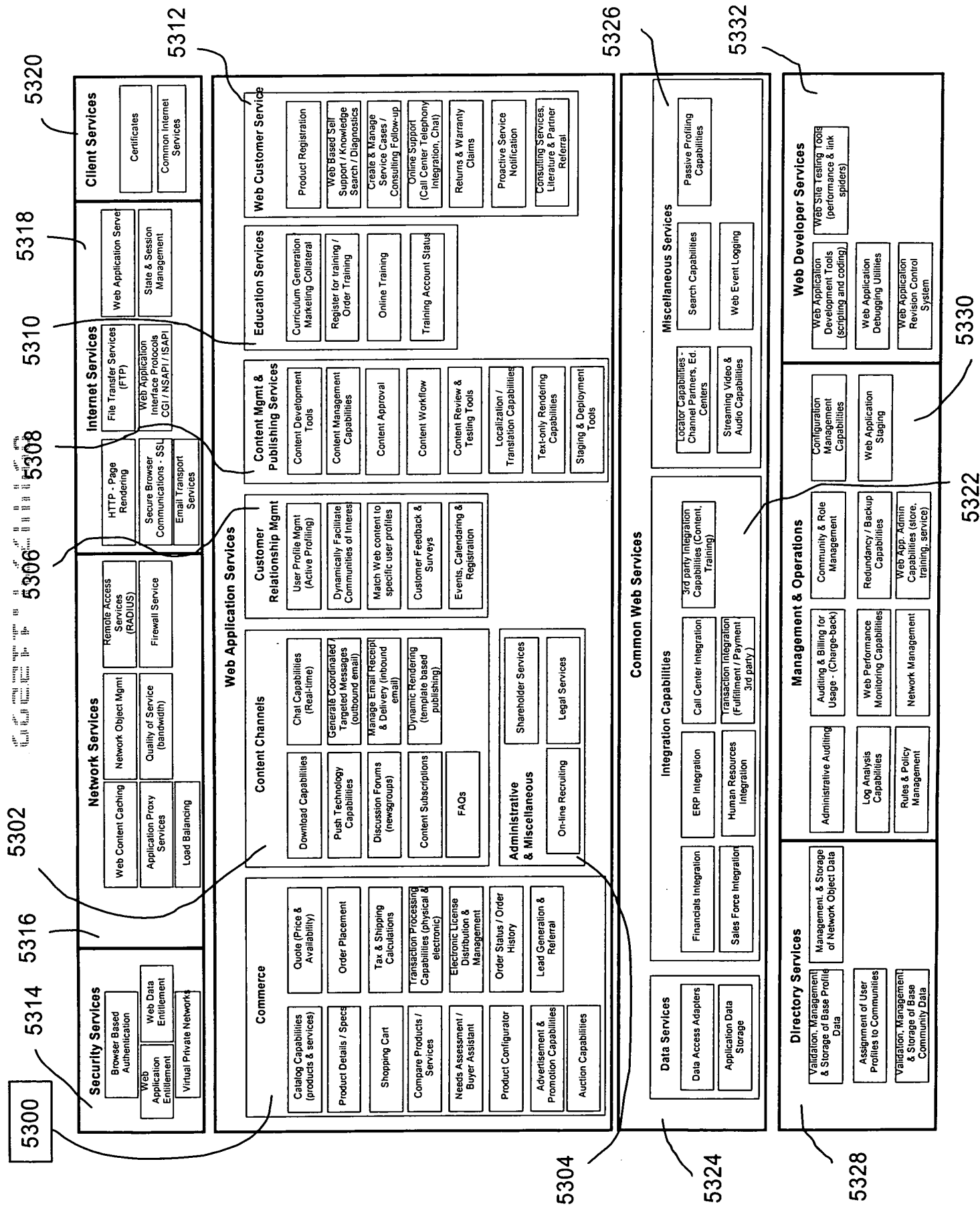


Figure 53

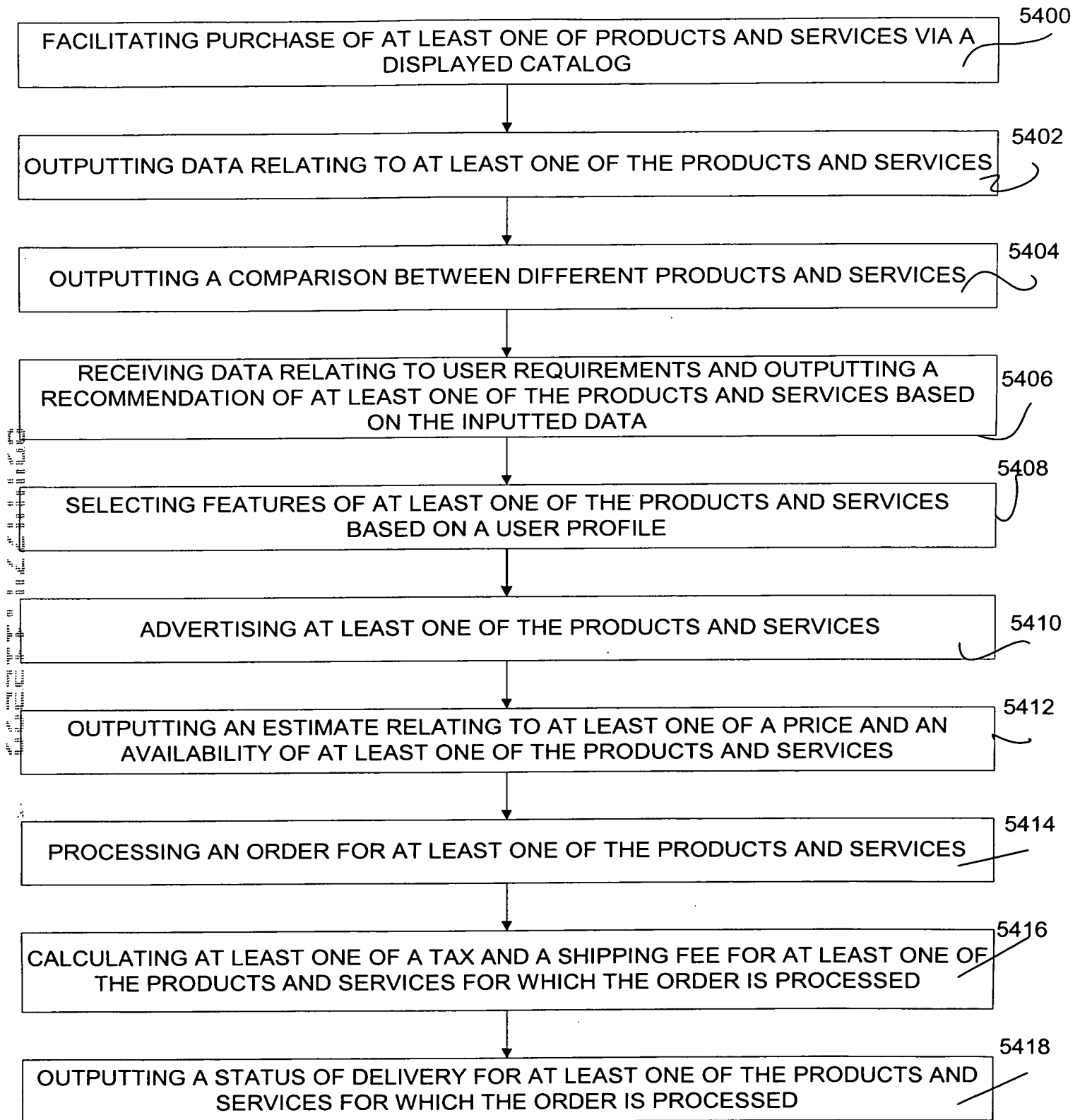


Figure 54

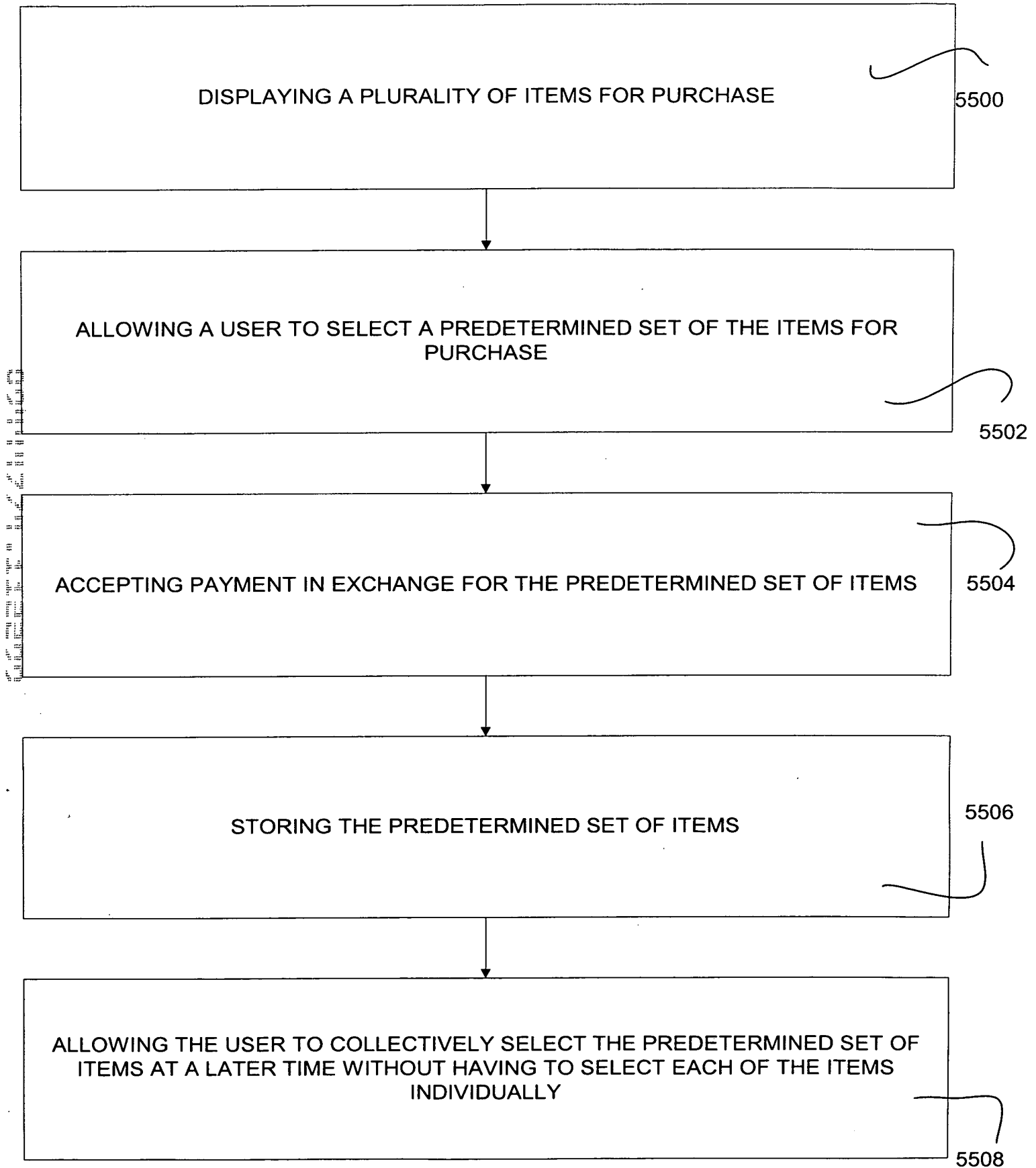
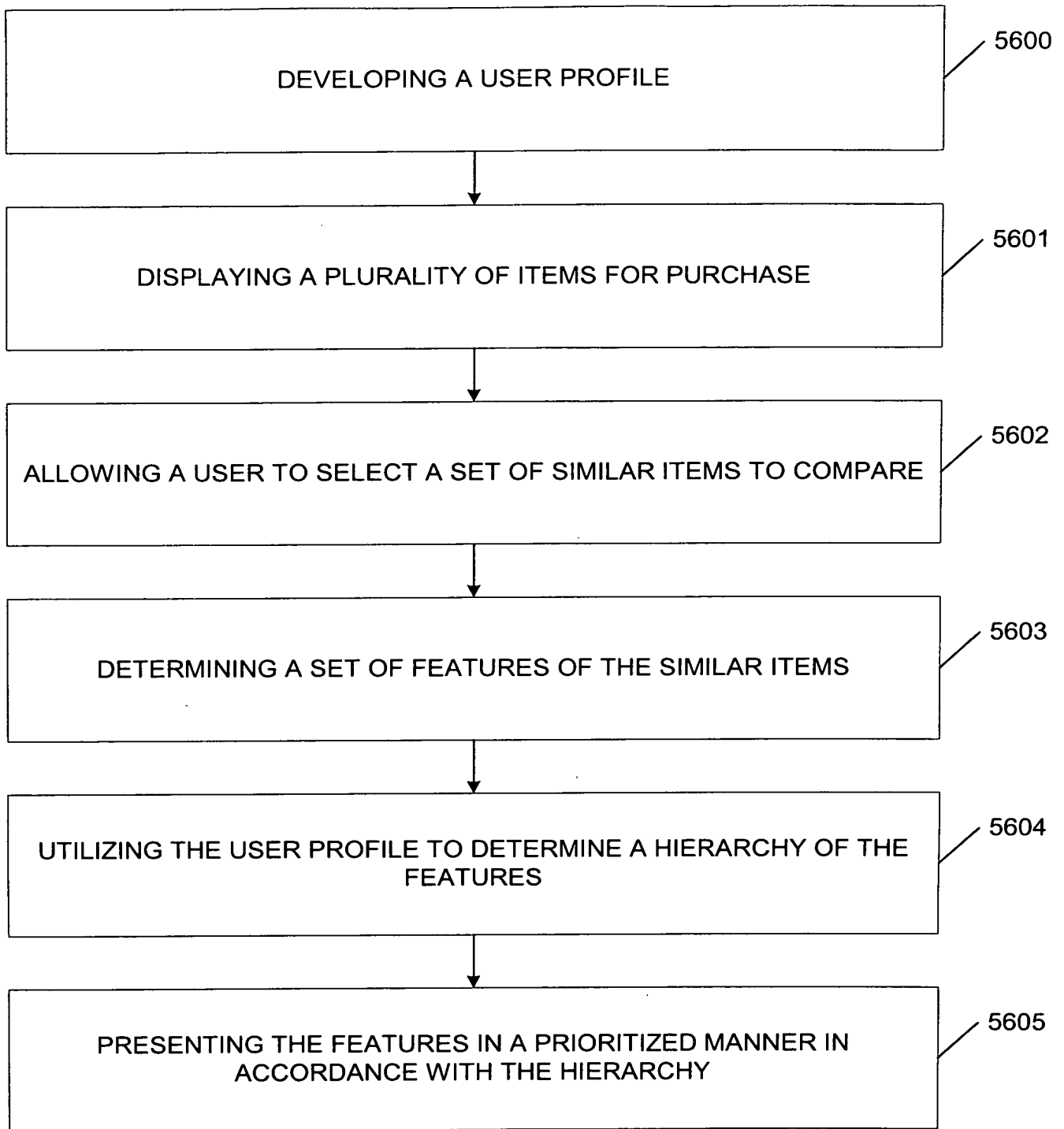


Figure 55



5404

Figure 56

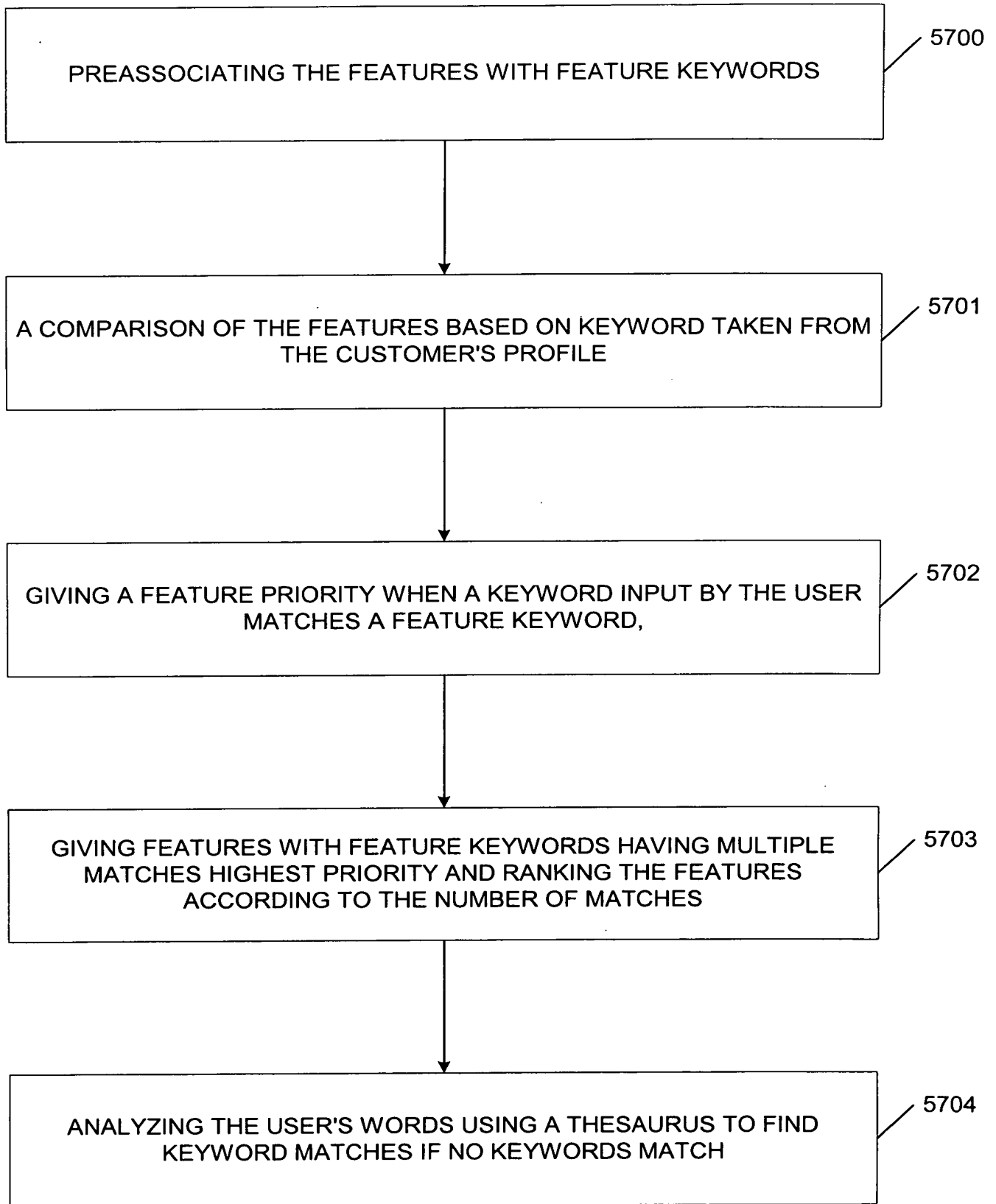
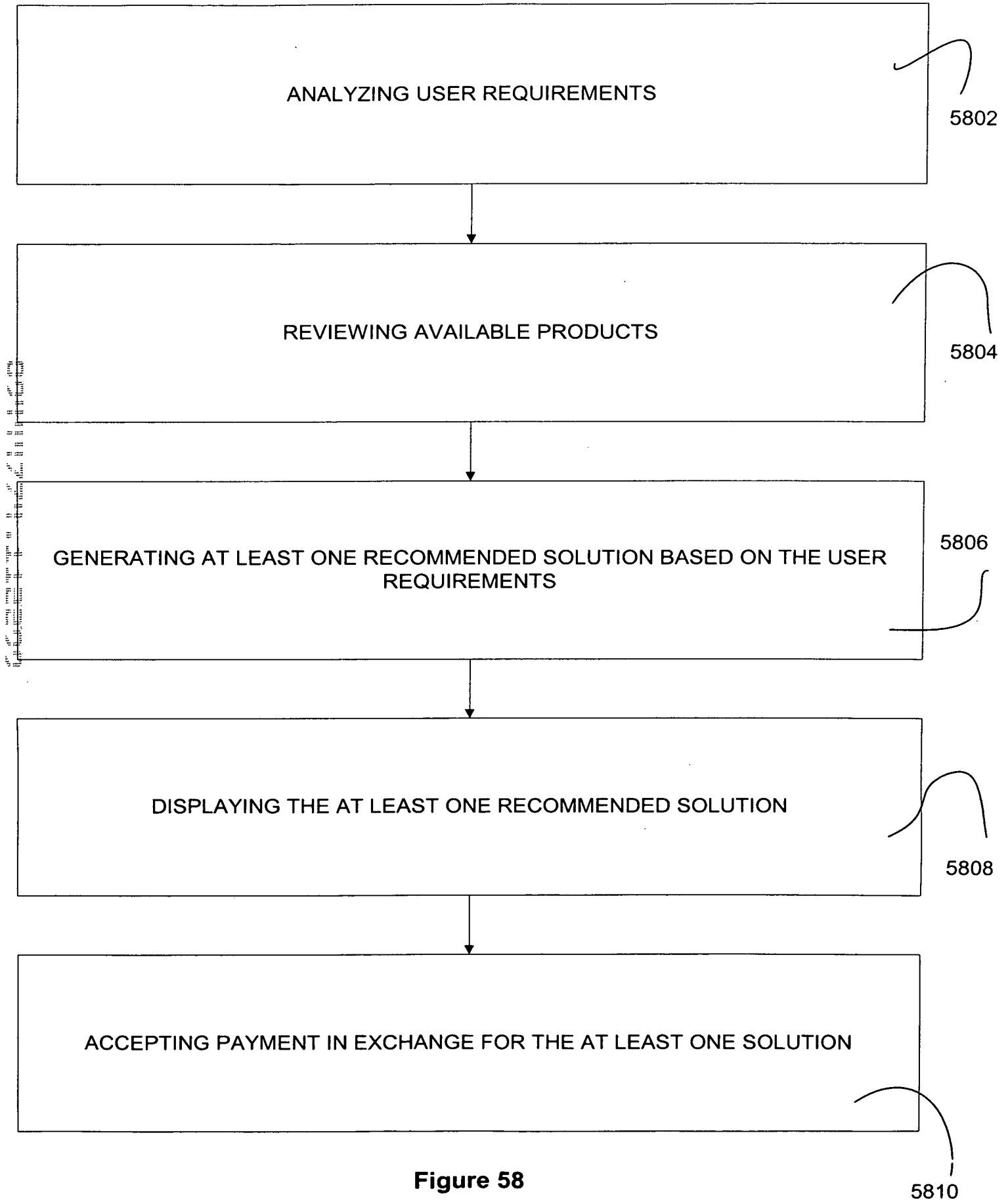


Figure 57



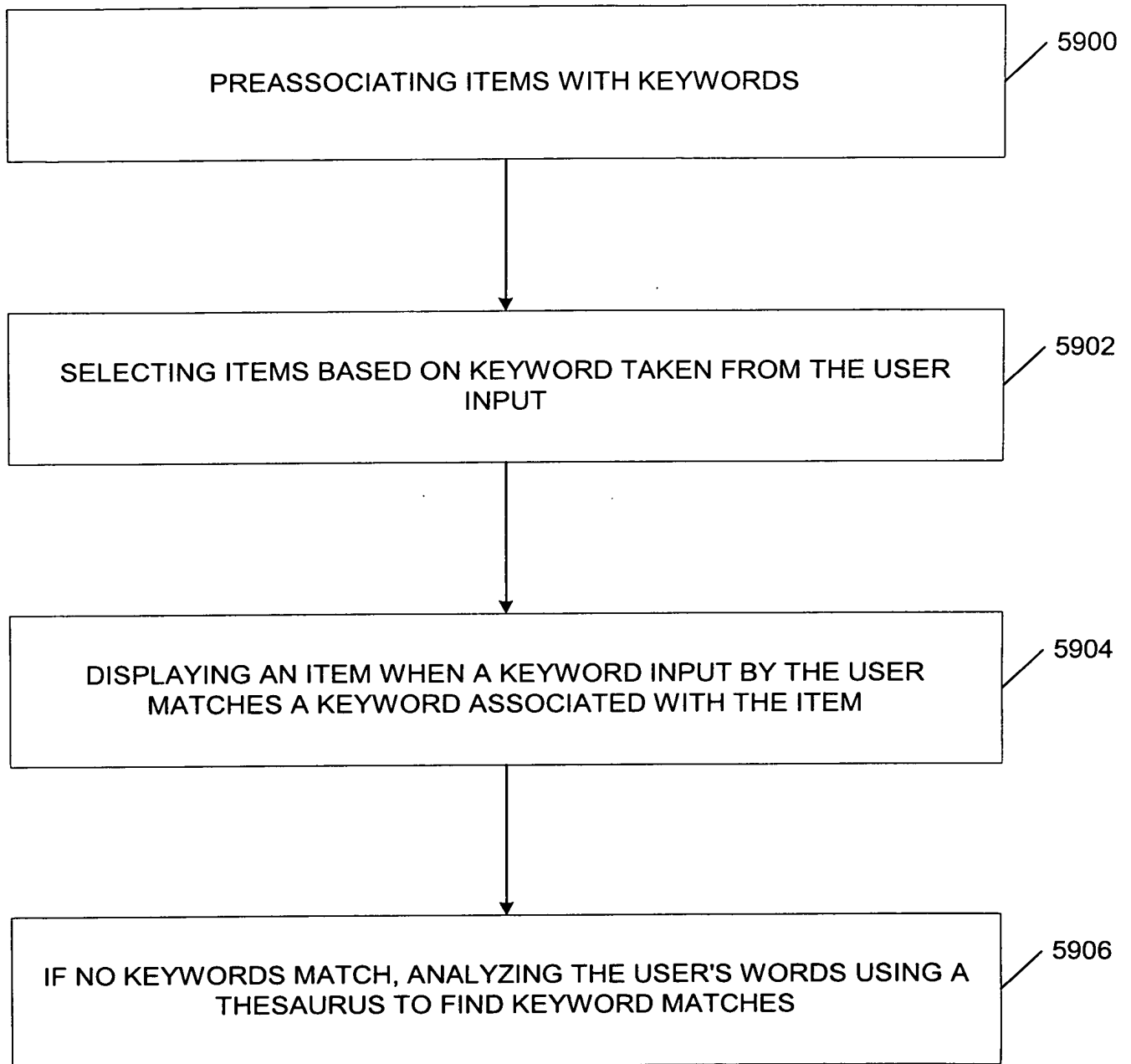


Figure 59

5806

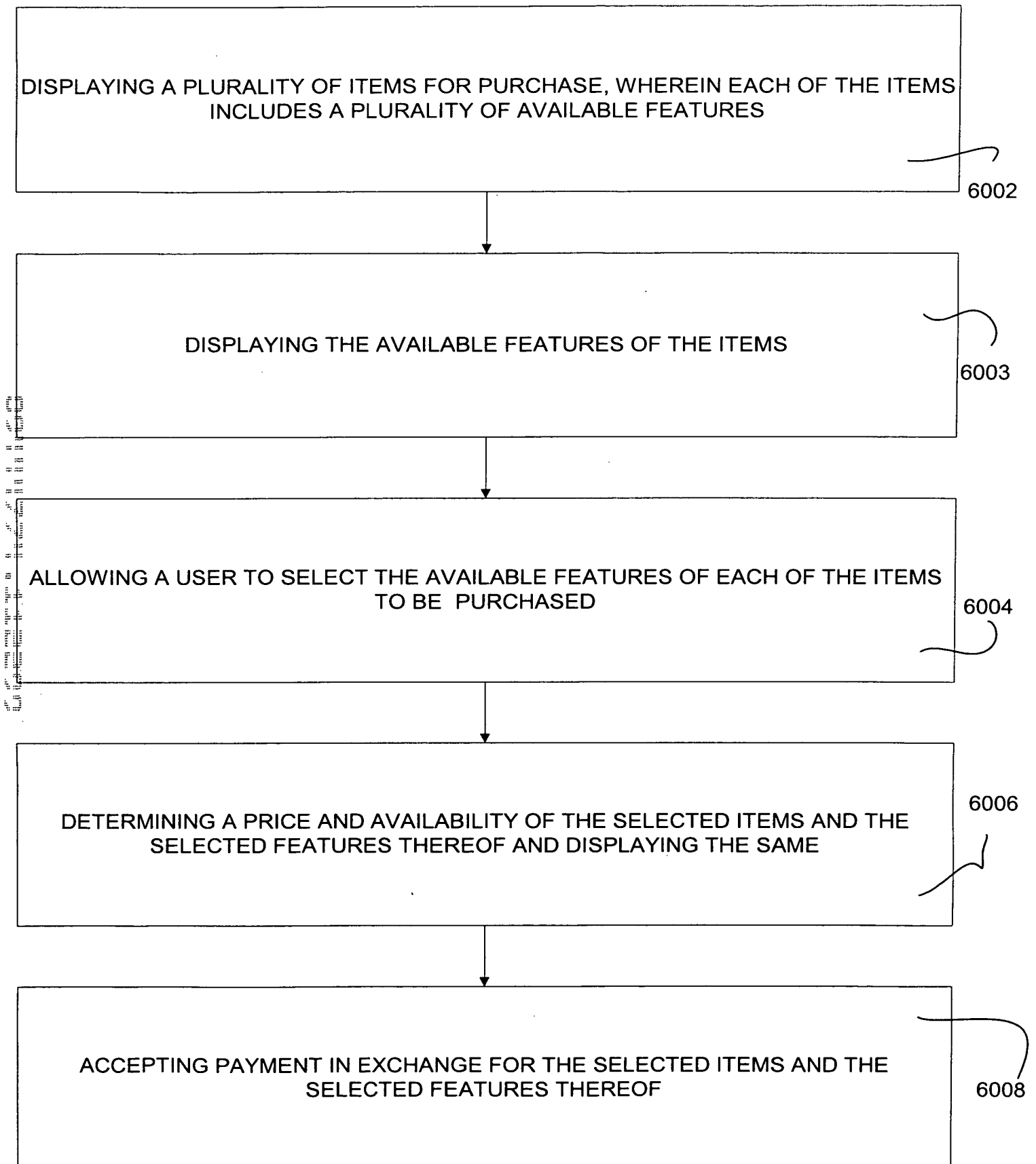


Figure 60

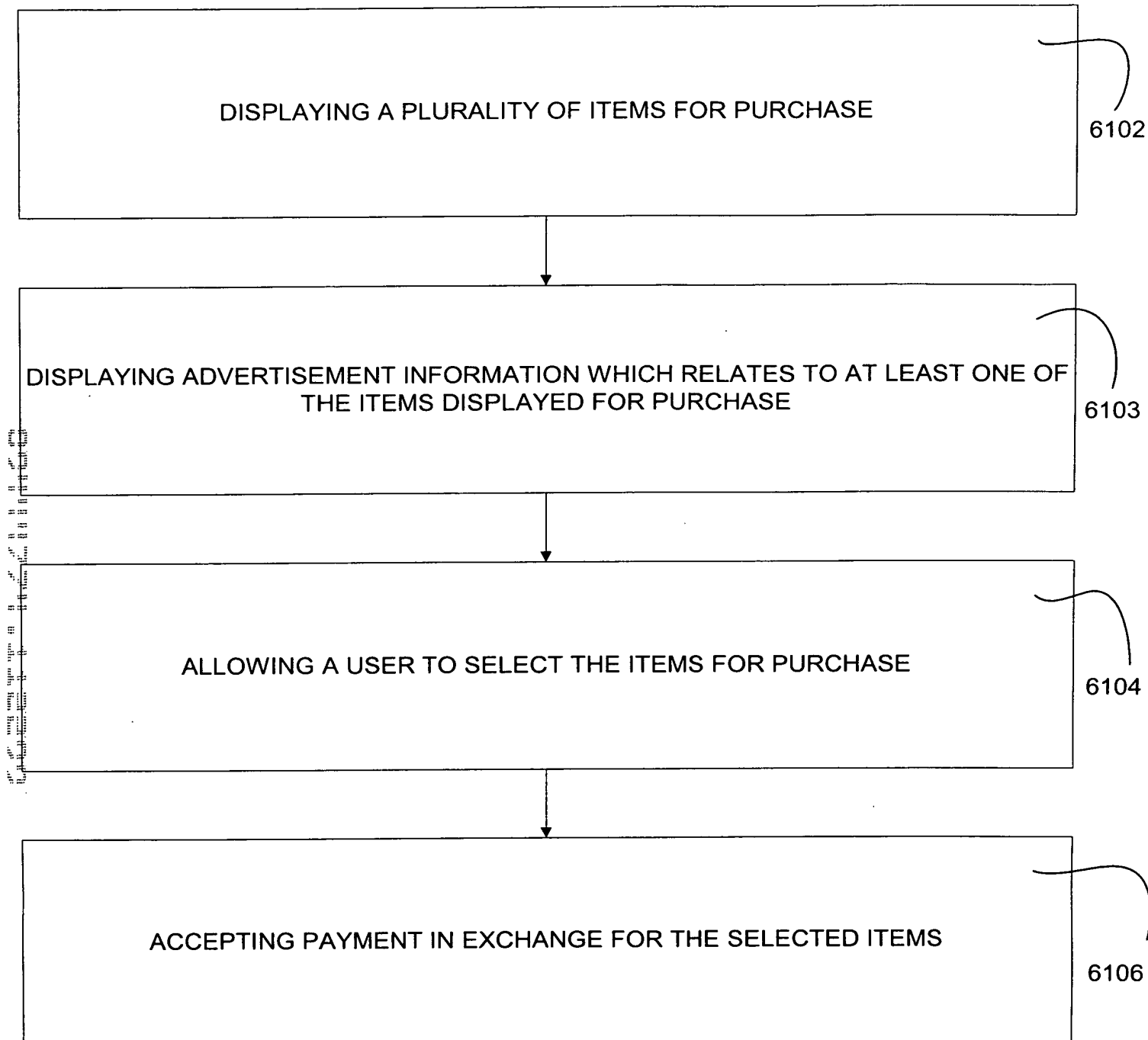


Figure 61

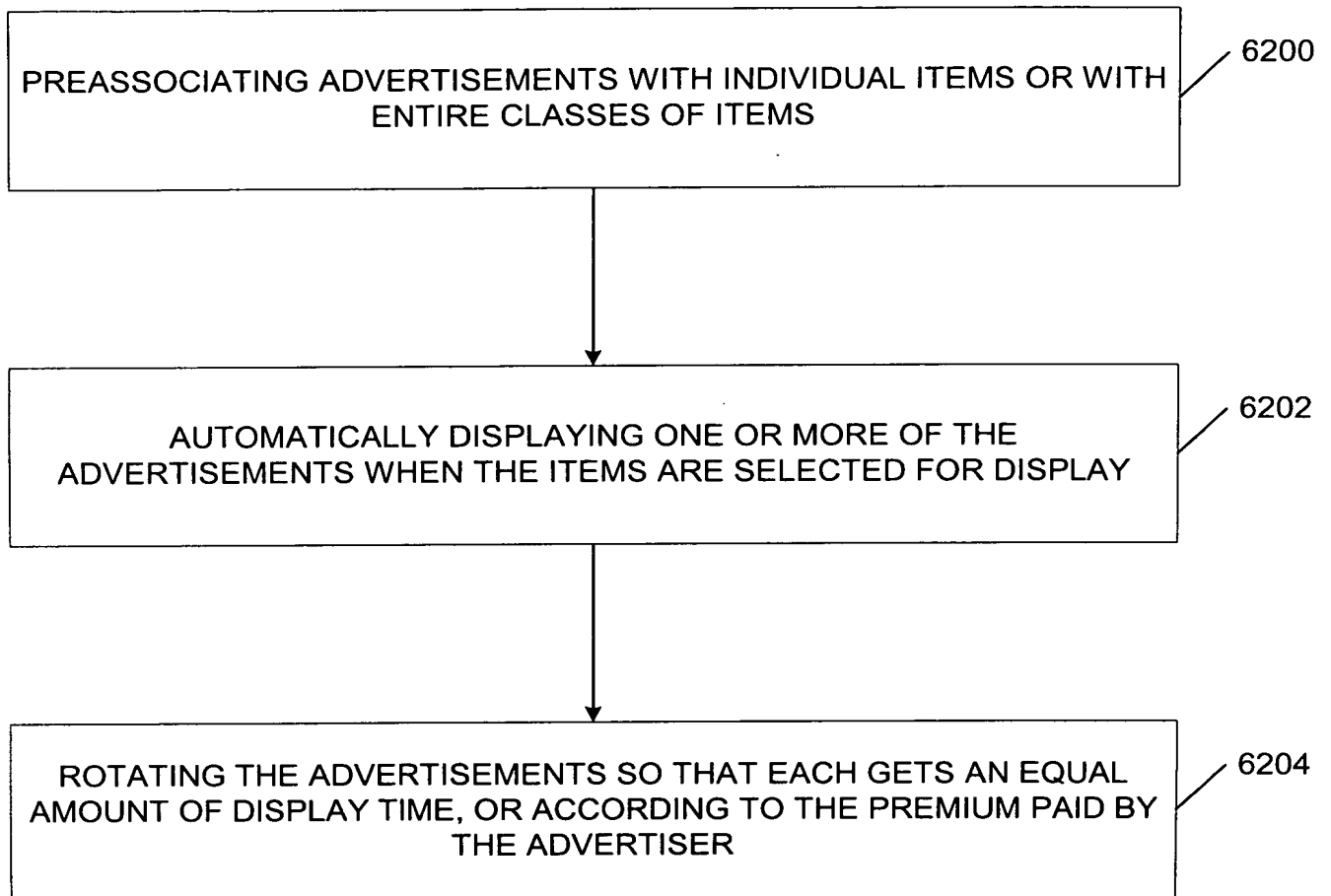
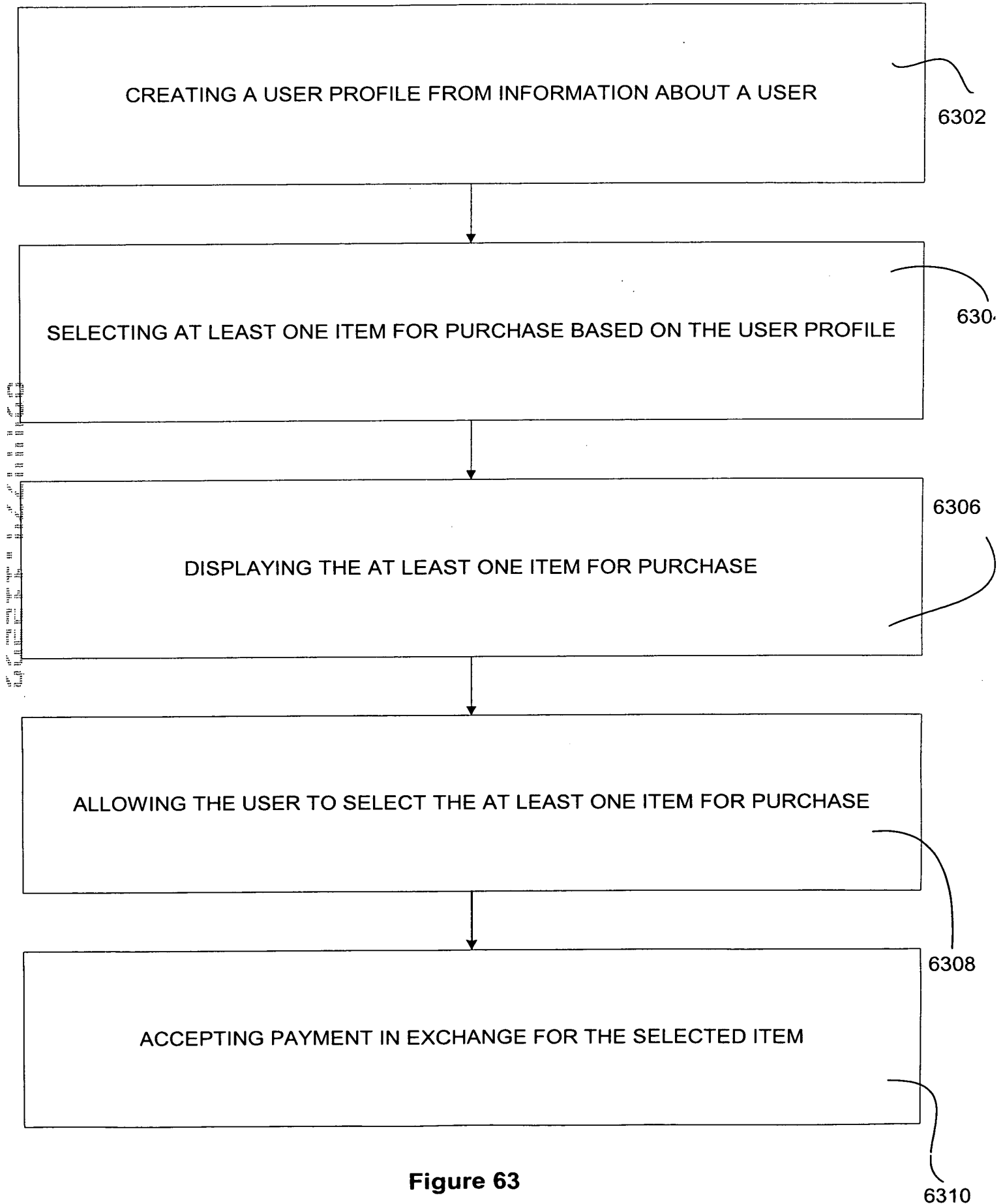
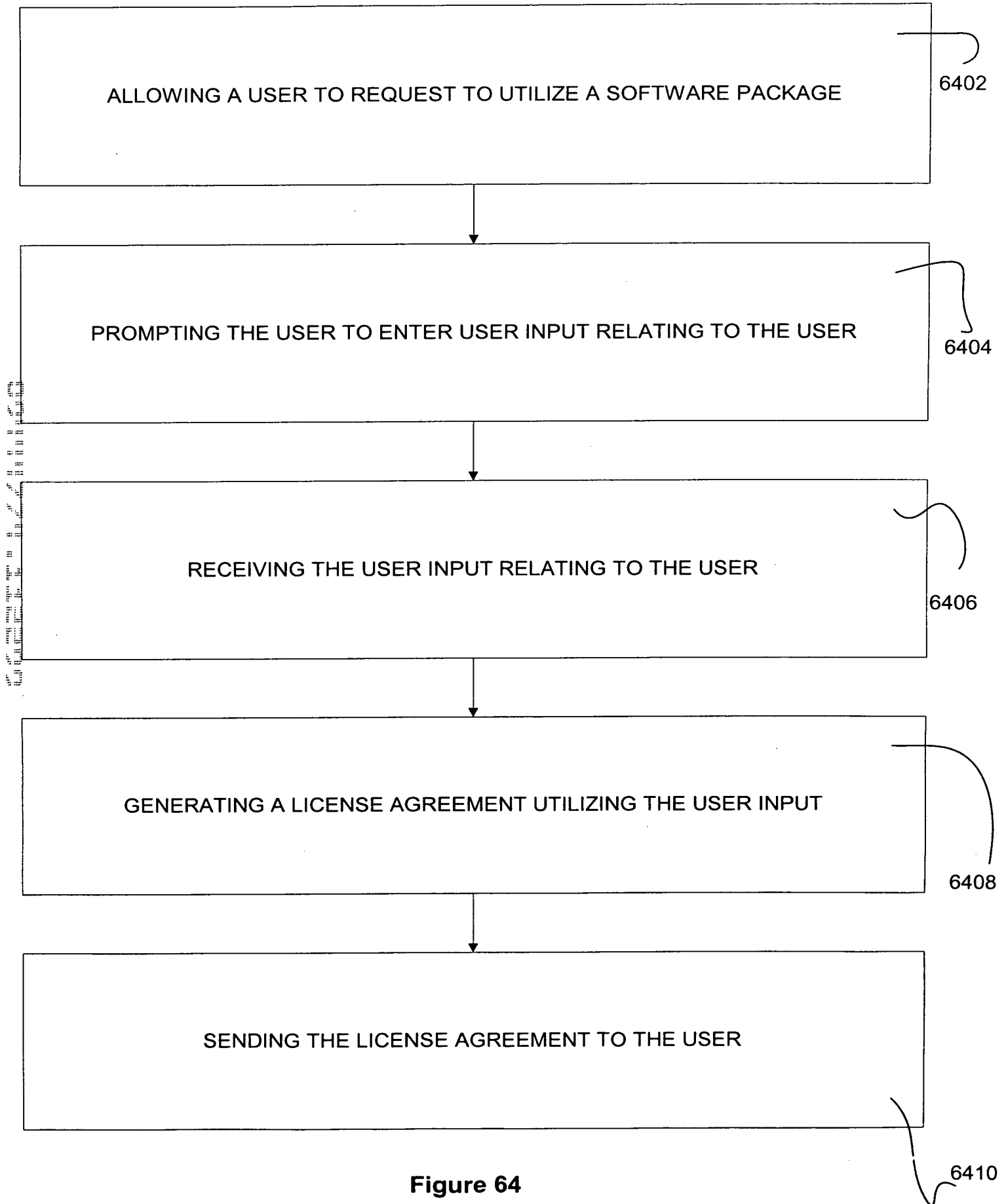


Figure 62

6103





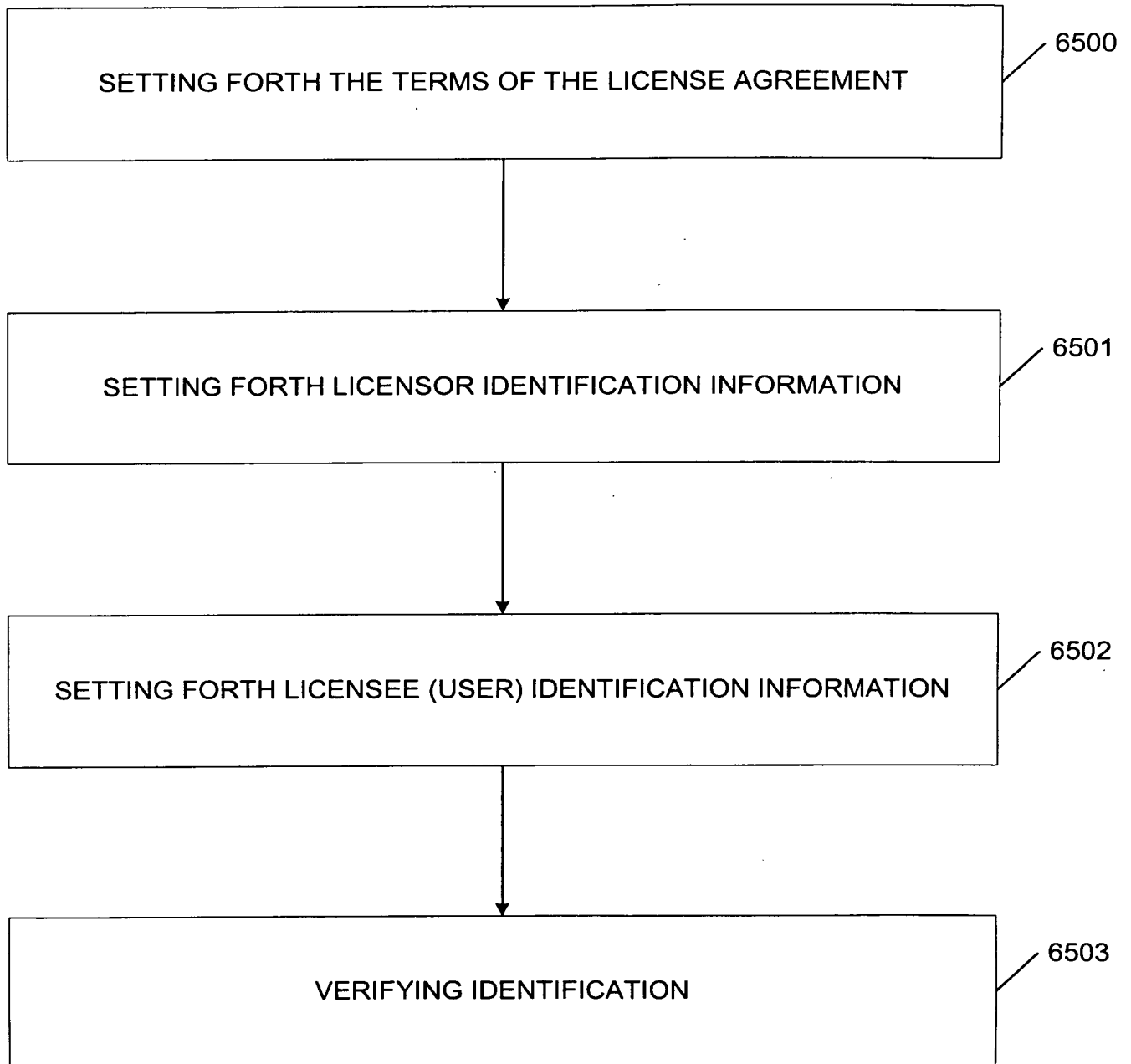


Figure 65

6408

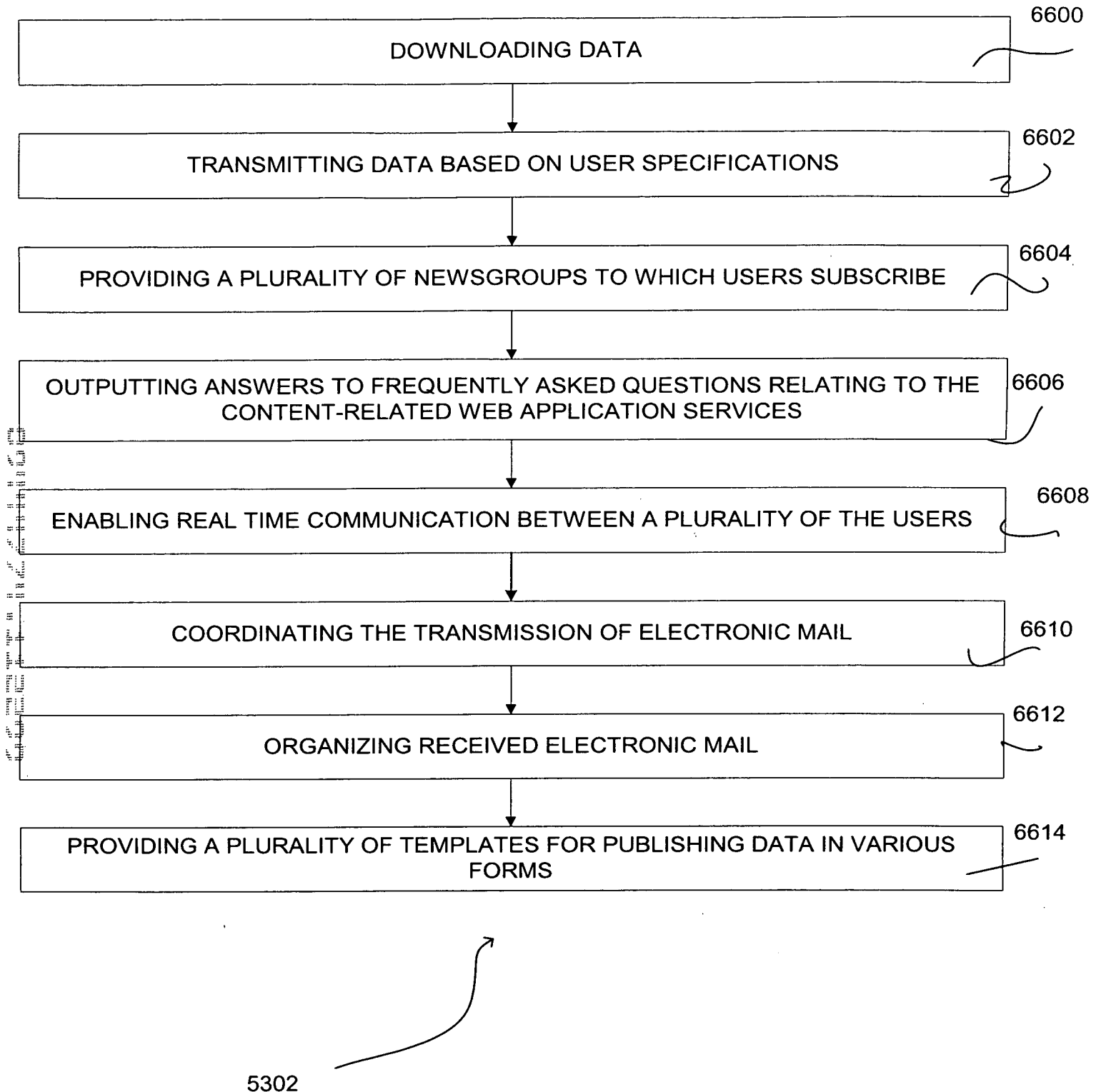


Figure 66

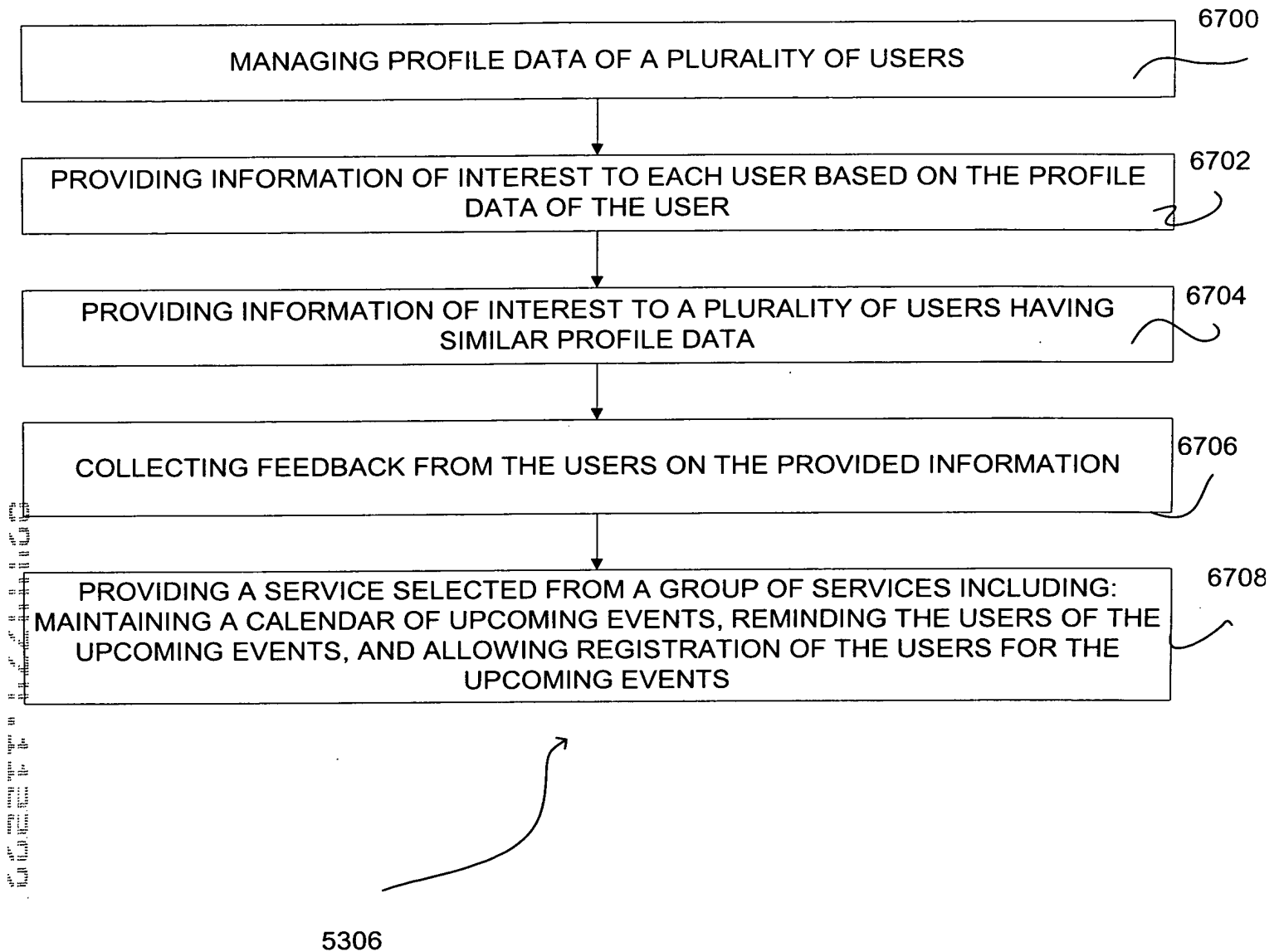
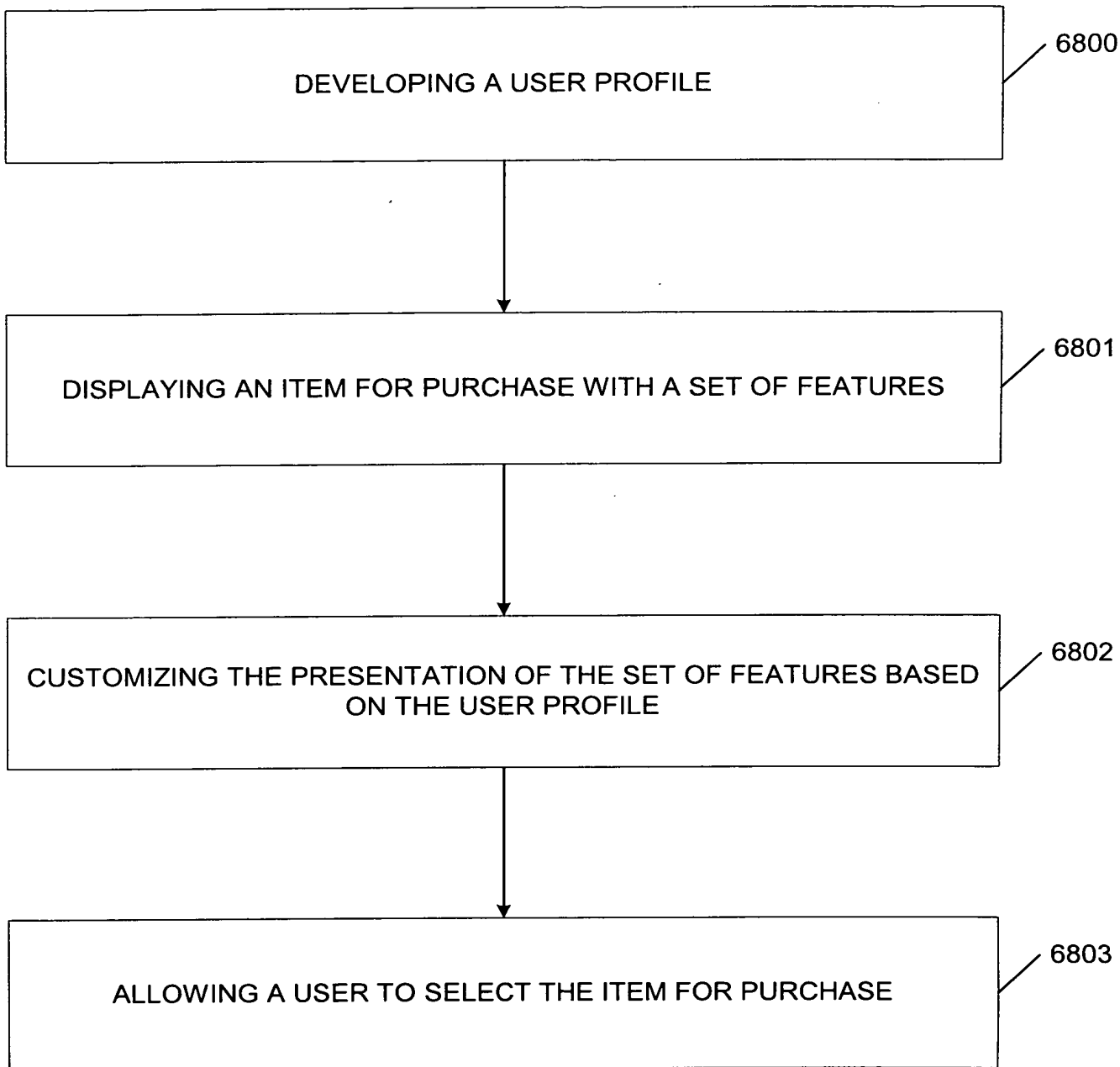


Figure 67



6700

Figure 68

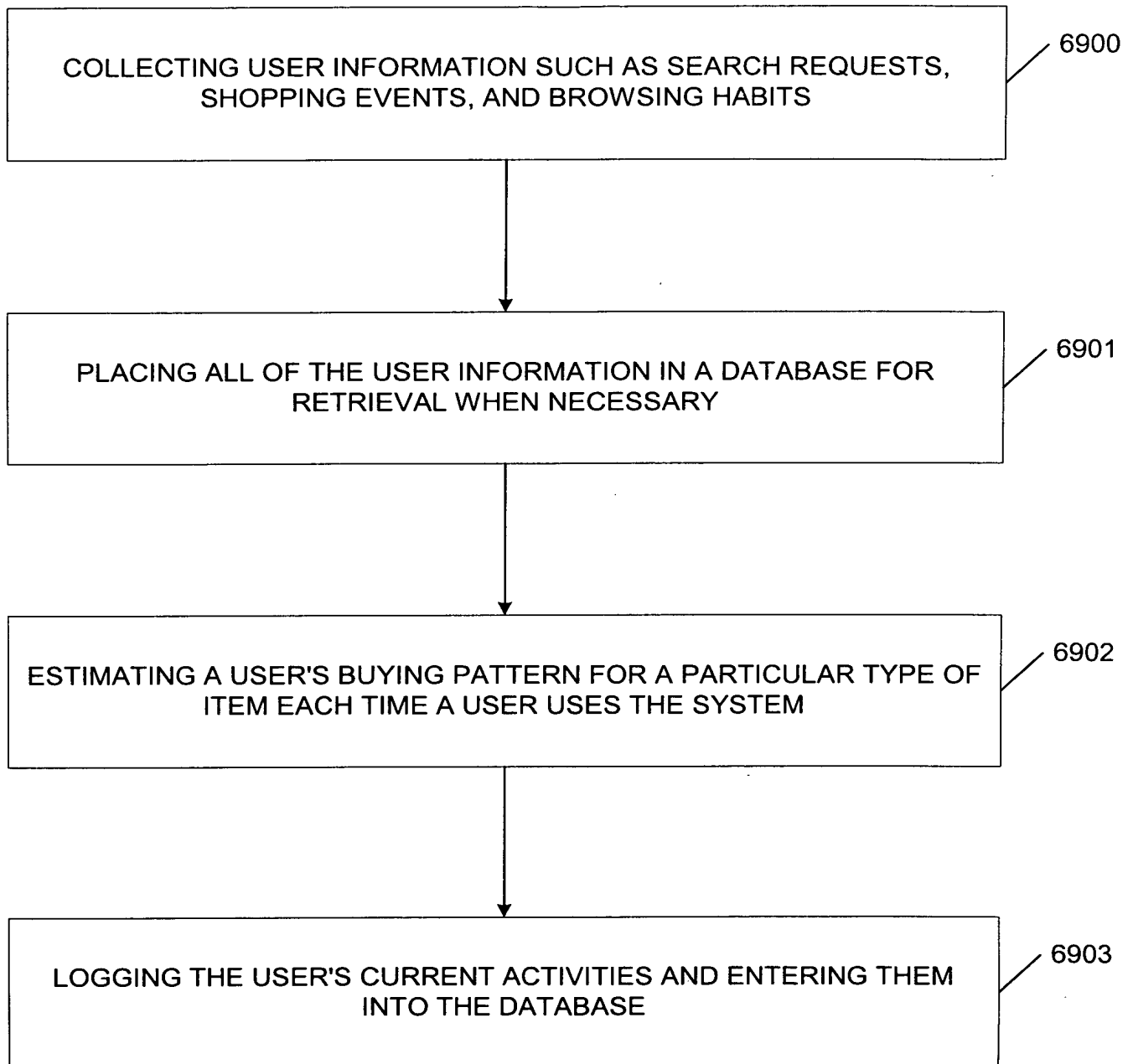


Figure 69

6810

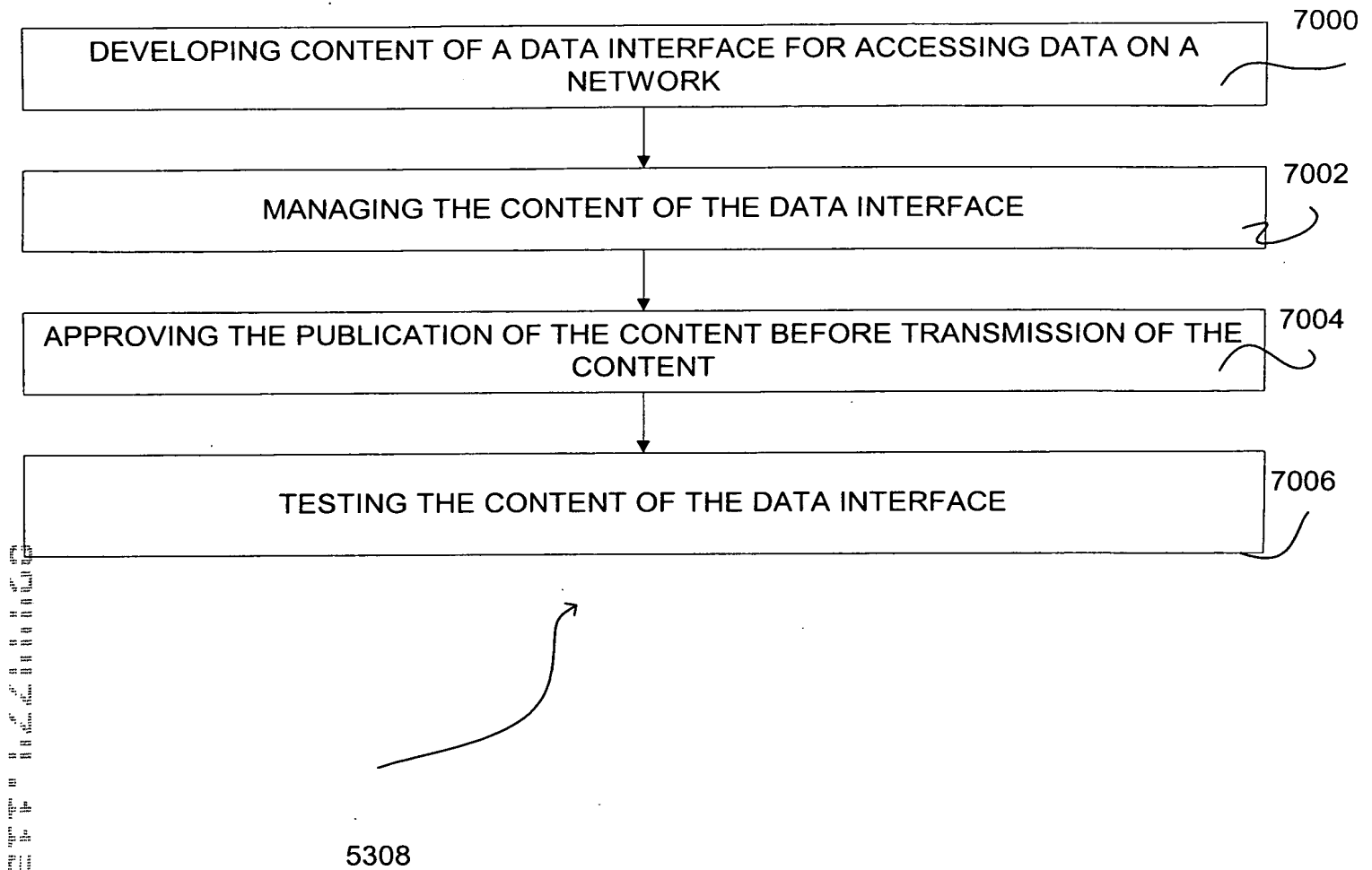


Figure 70

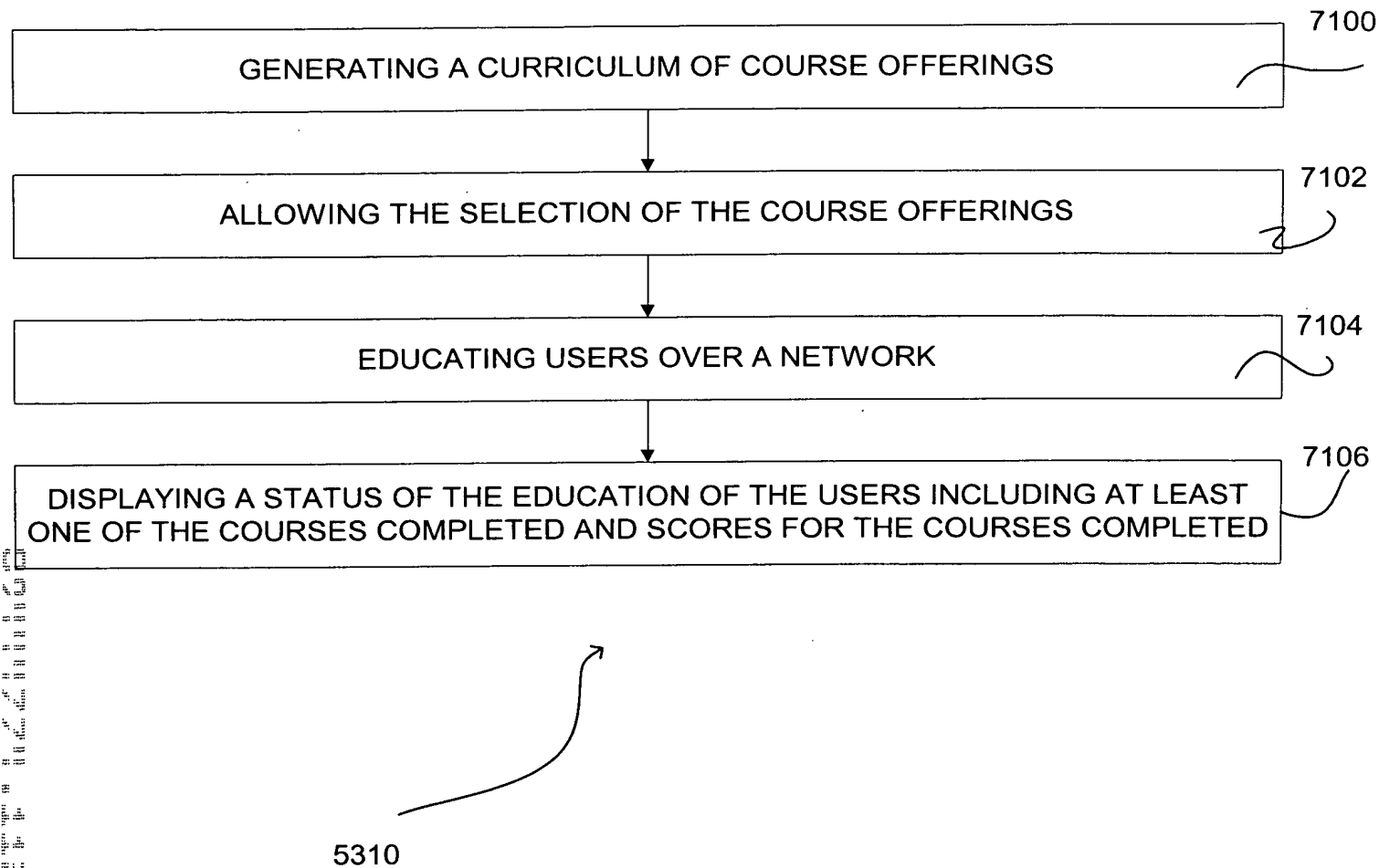


Figure 71

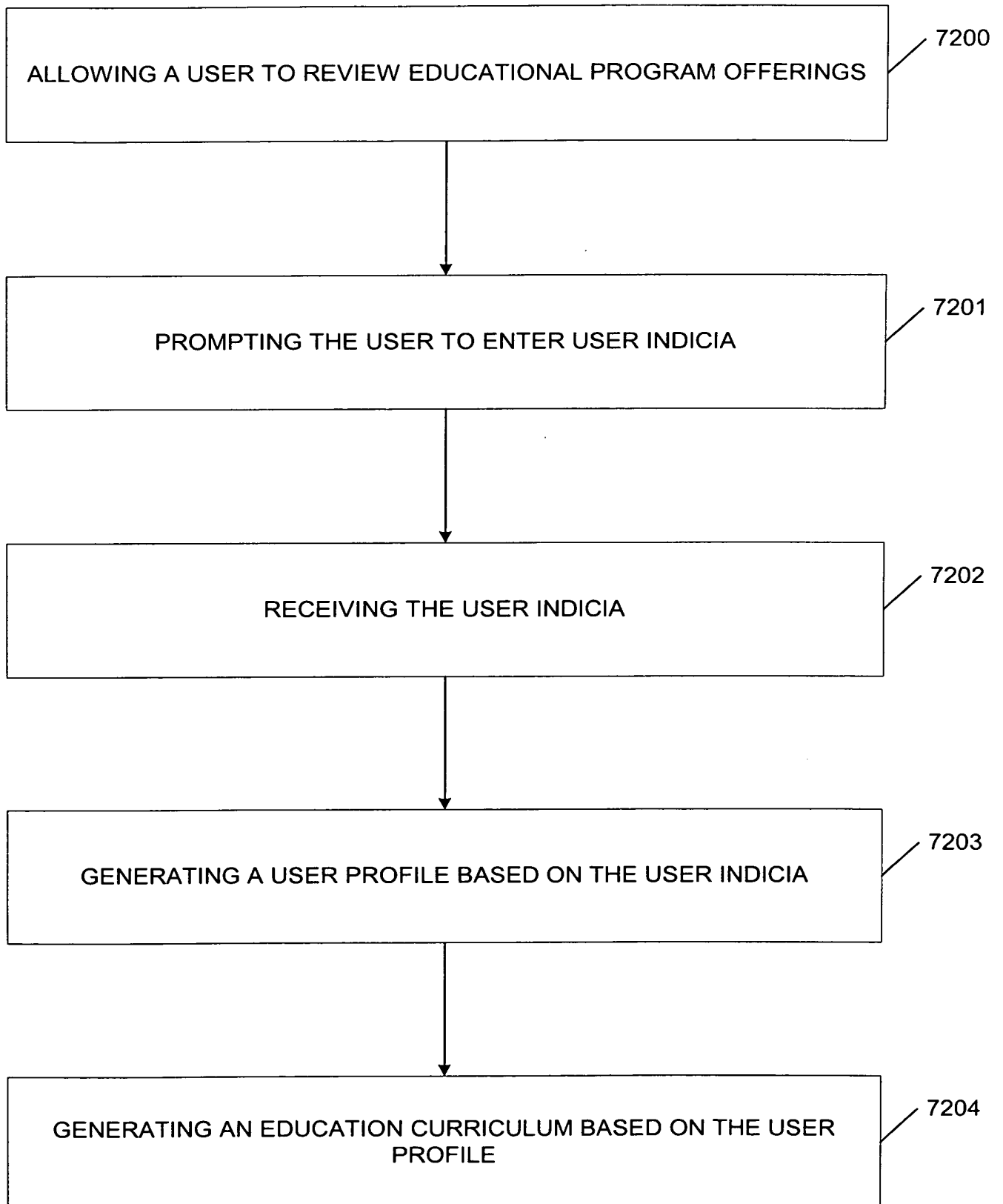


Figure 72

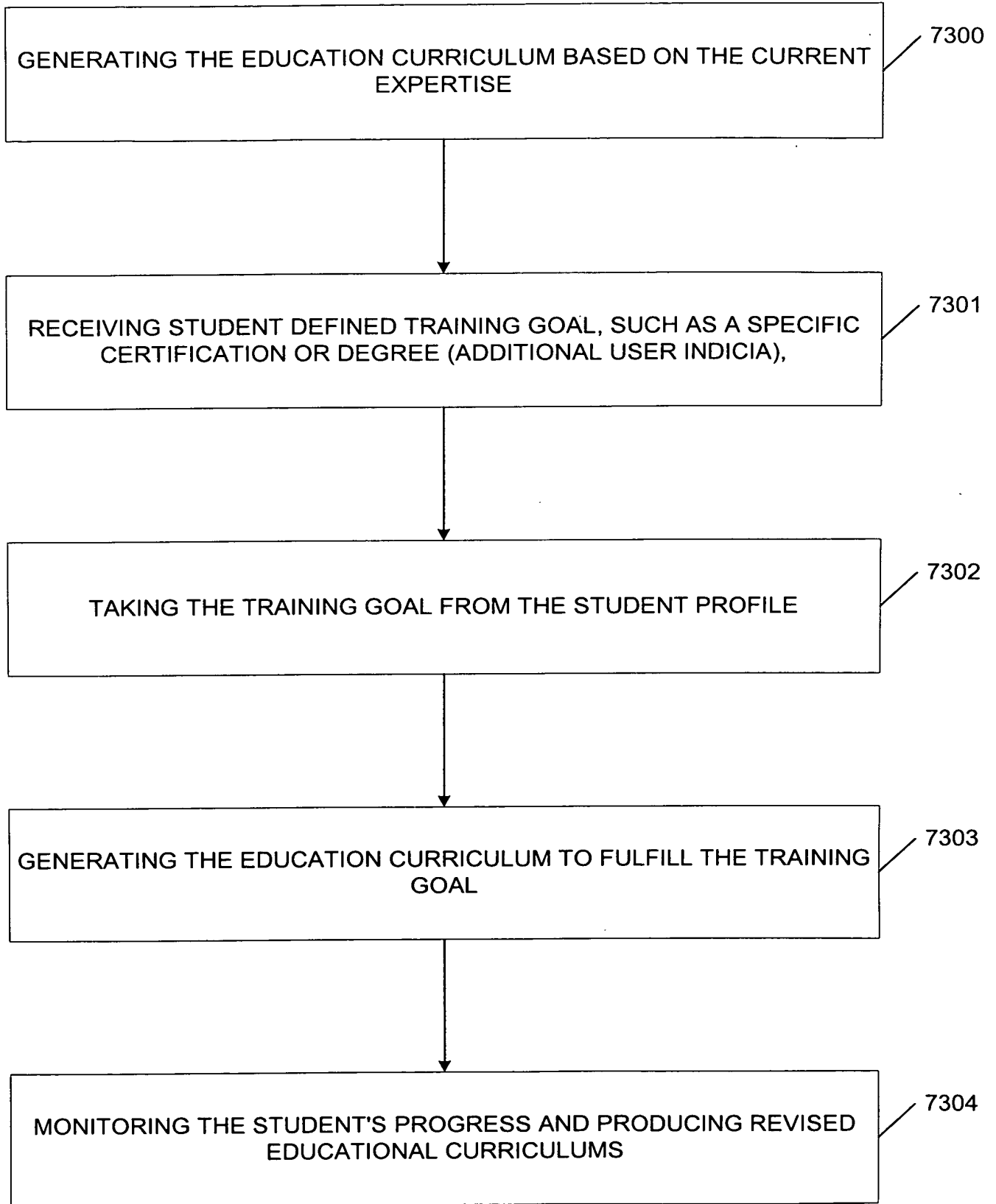


Figure 73

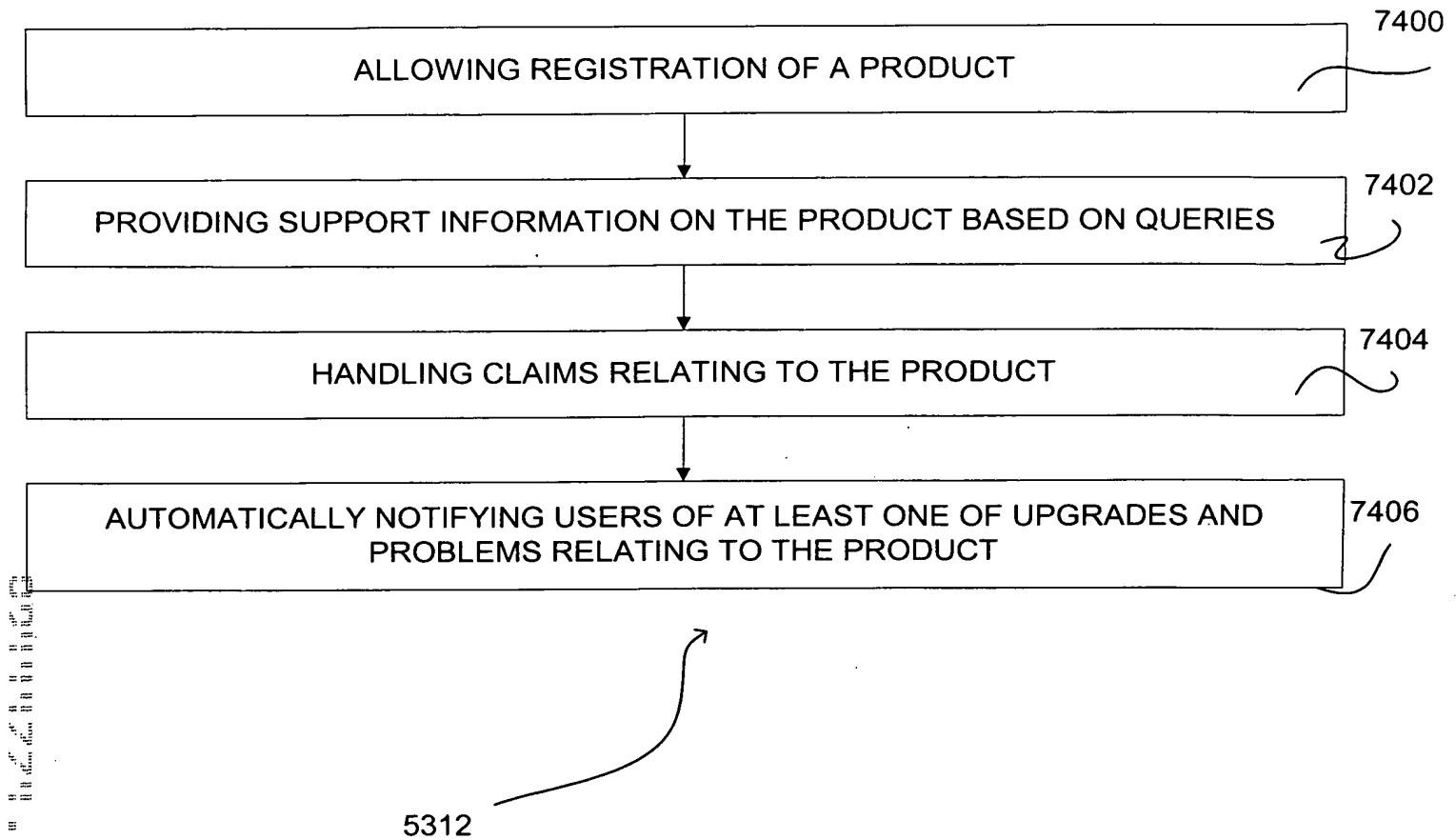
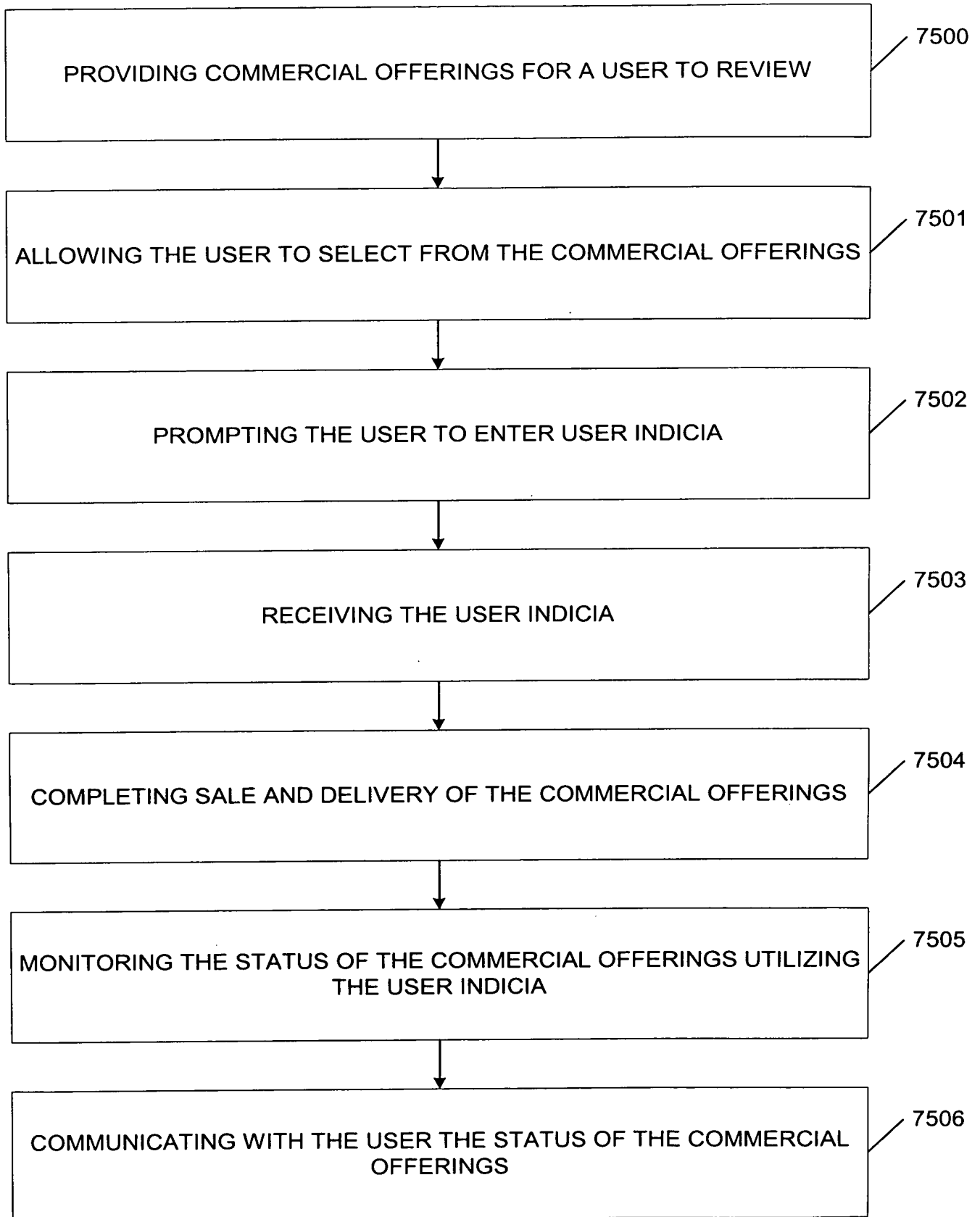


Figure 74



7400 ↗

Figure 75

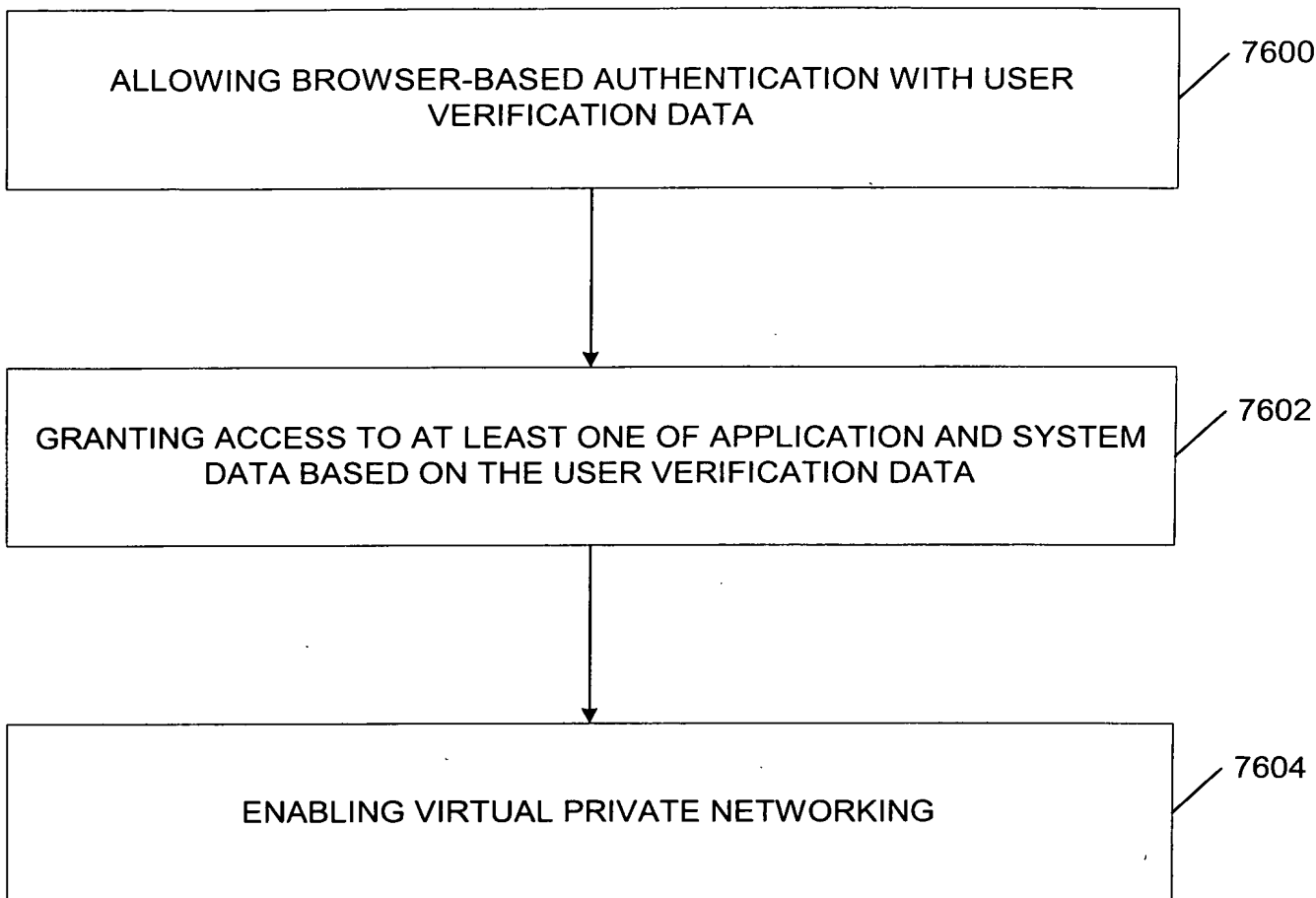


Figure 76

5314

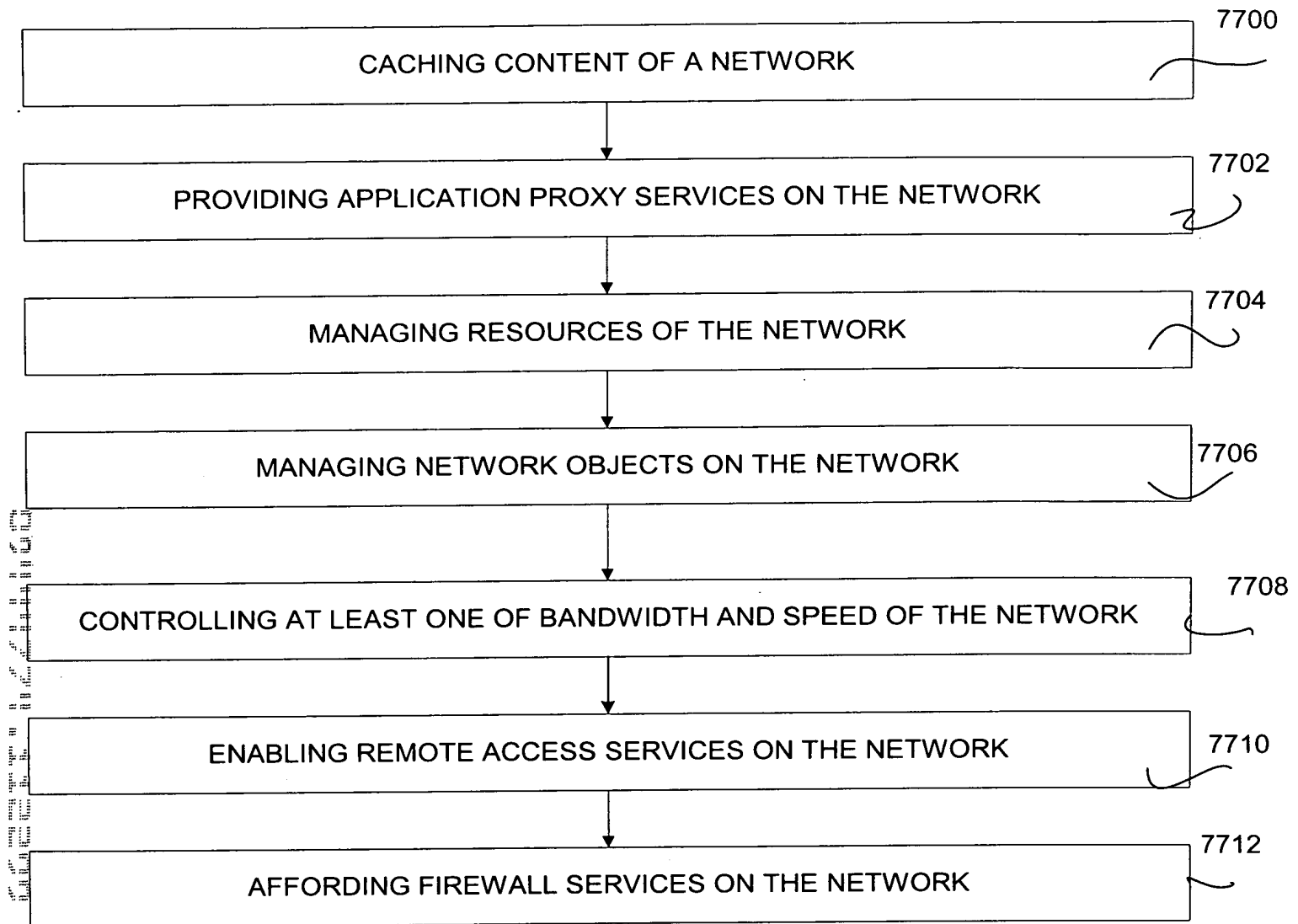


Figure 77

5316

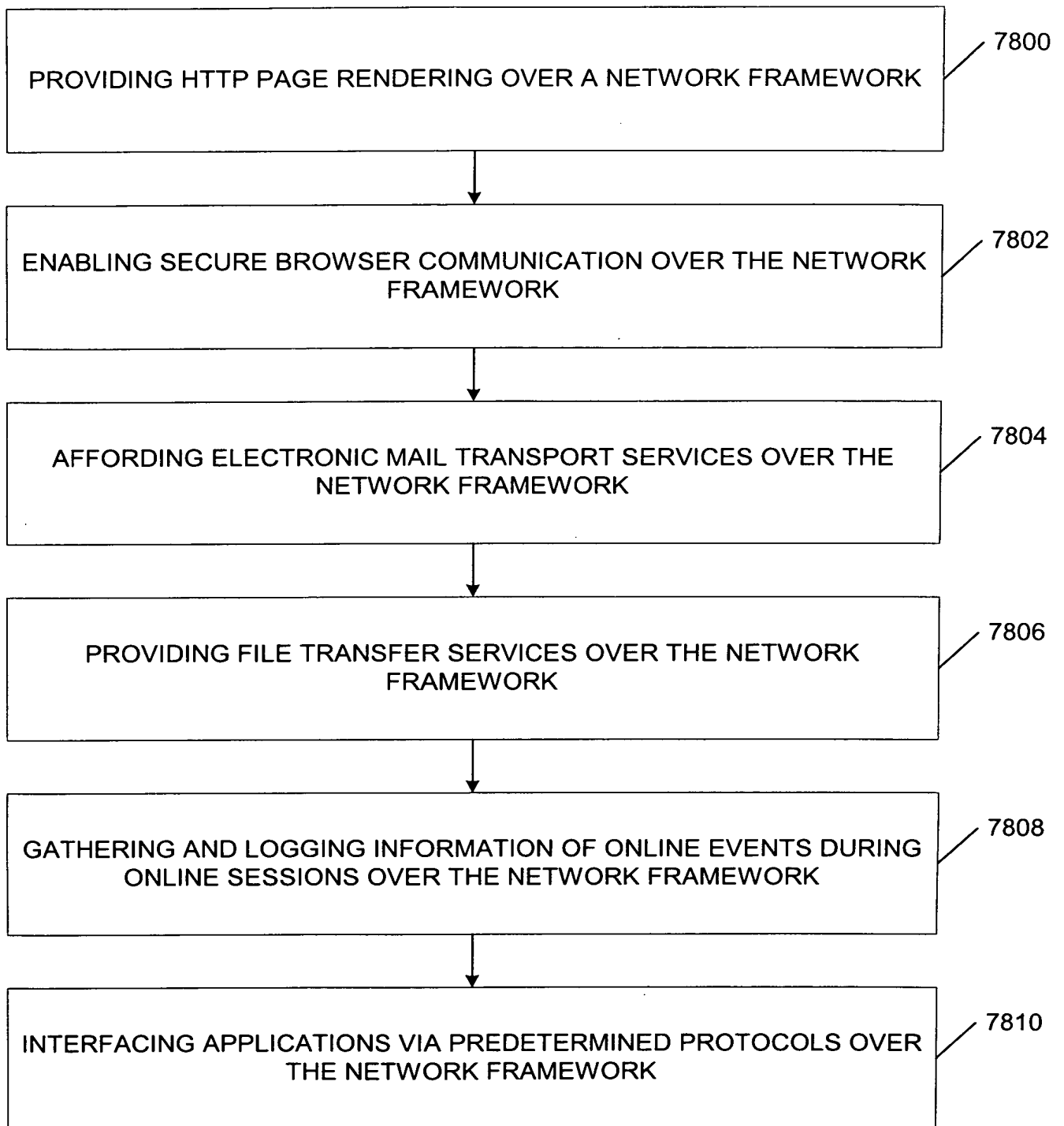


Figure 78

5318

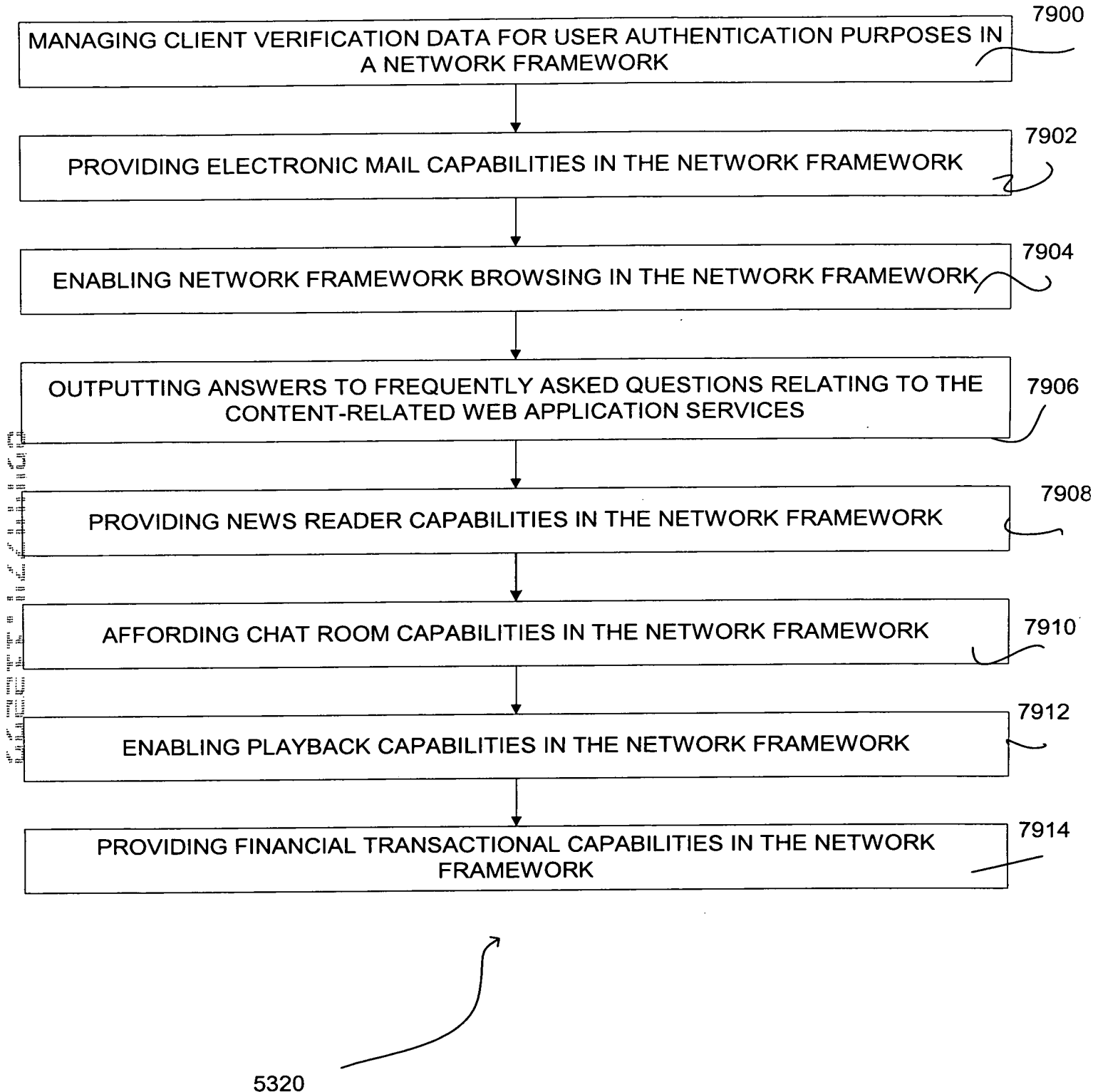


Figure 79

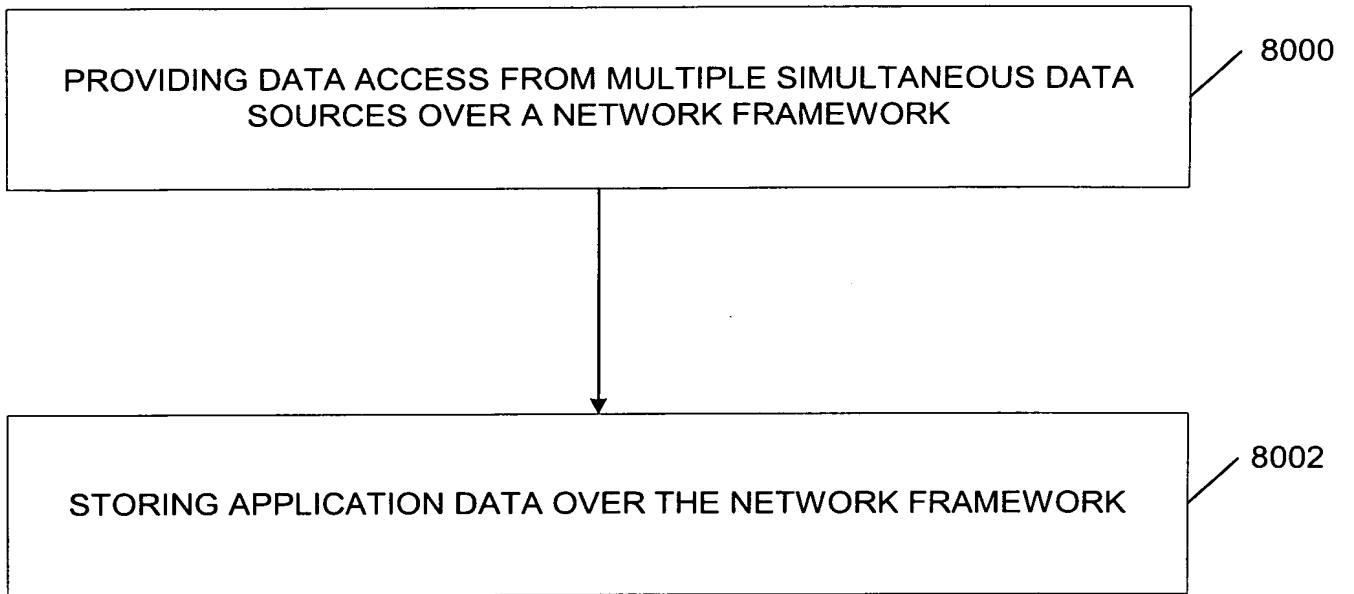
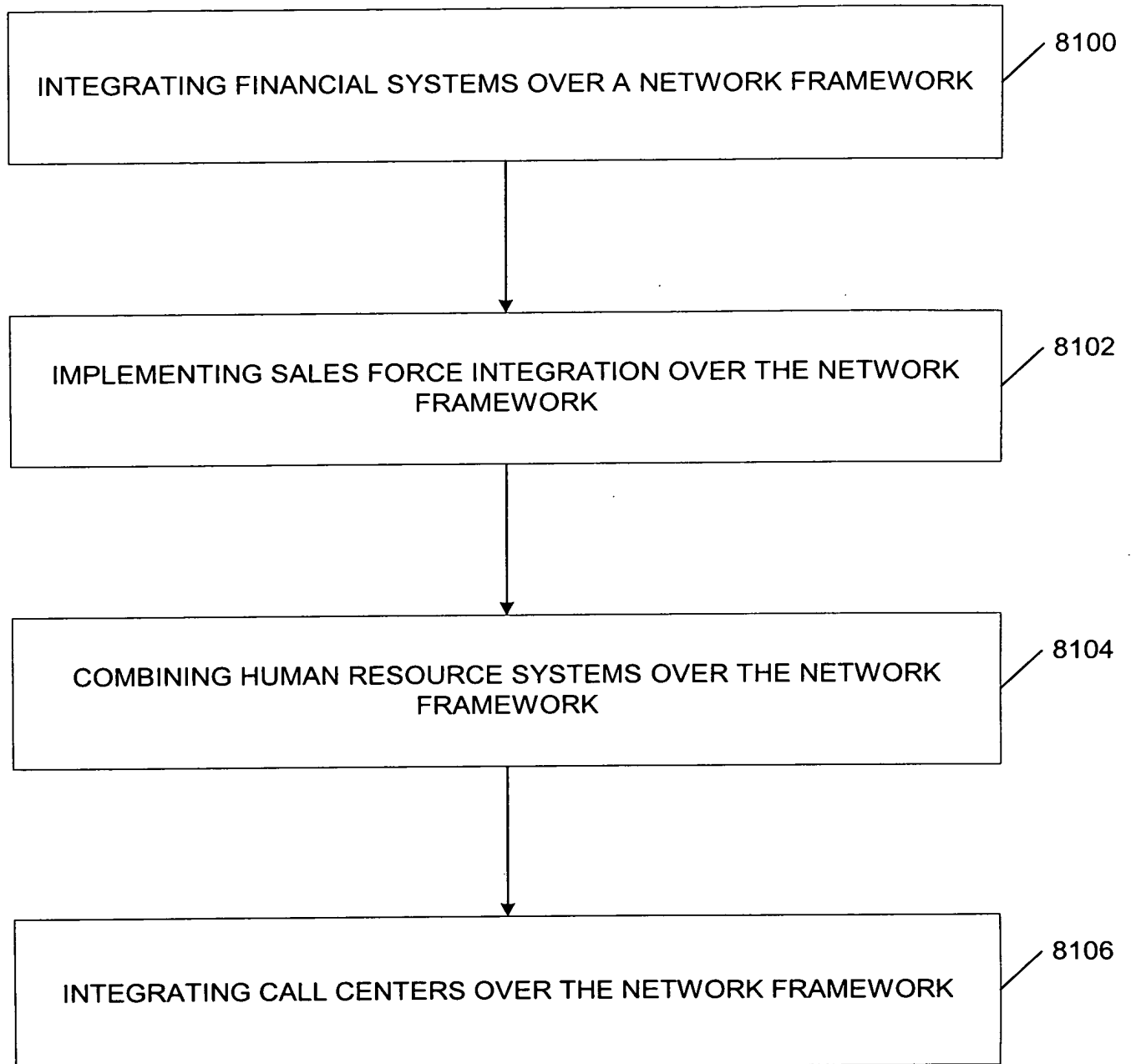


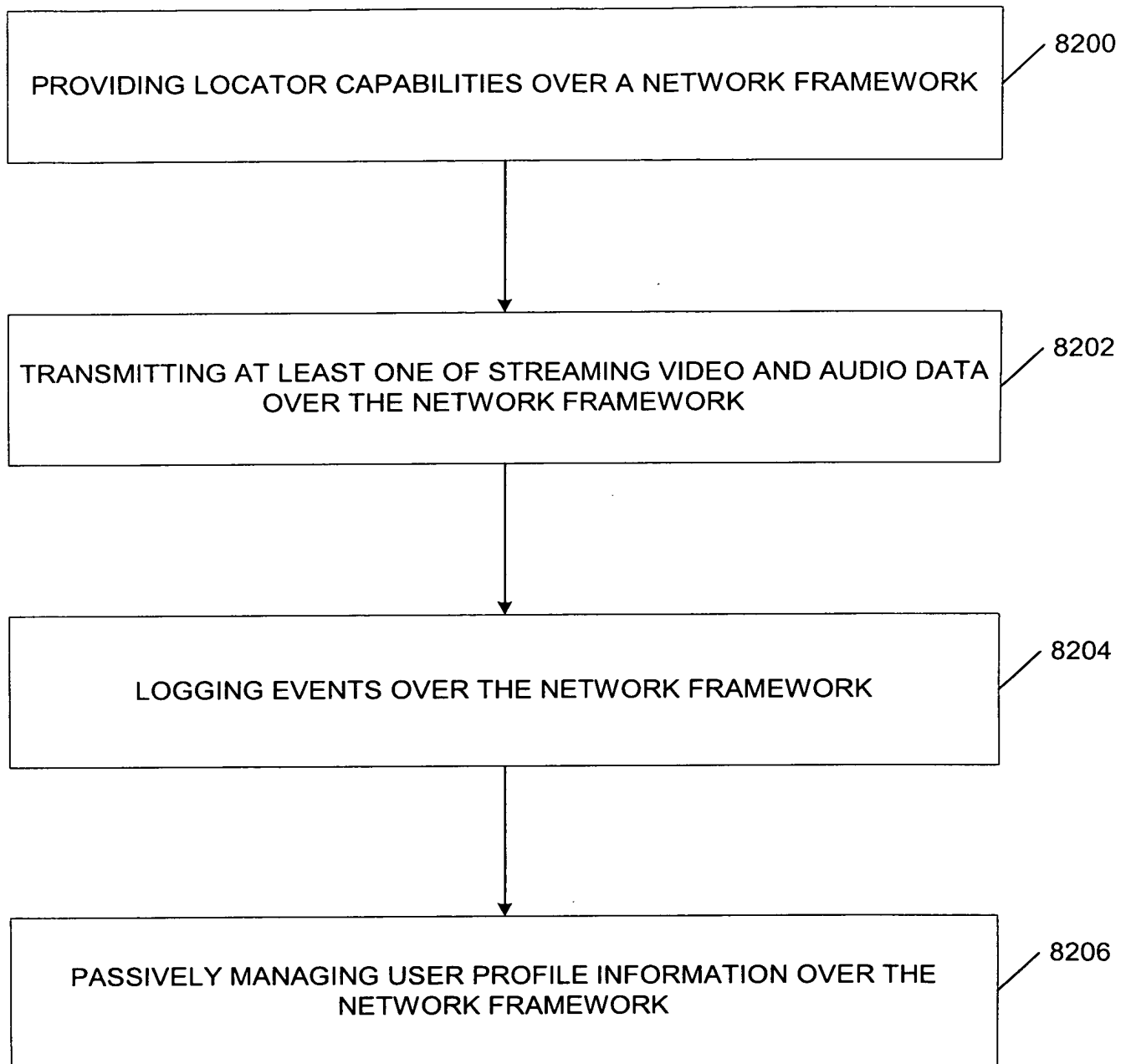
Figure 80

5324



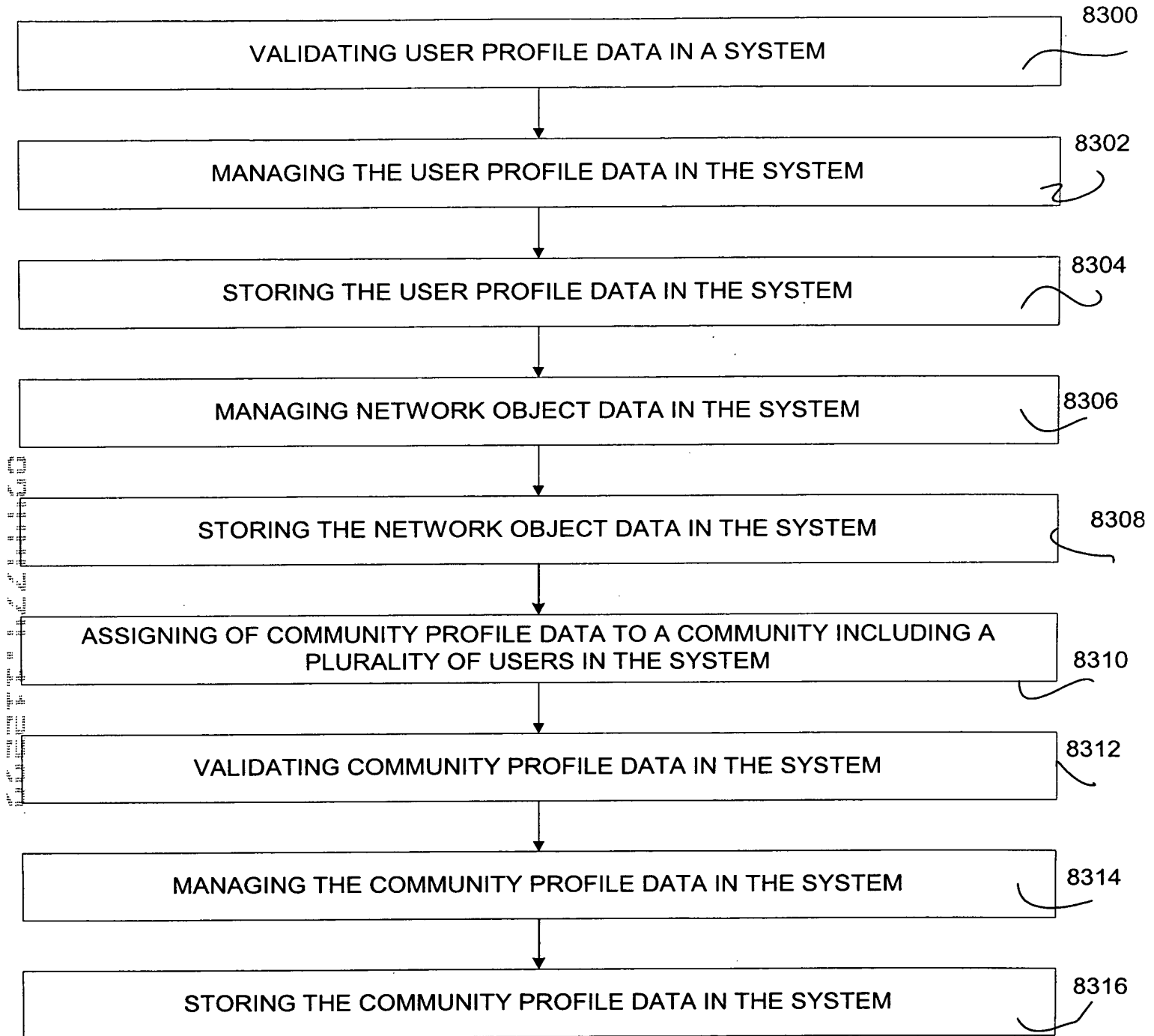
5812

Figure 81



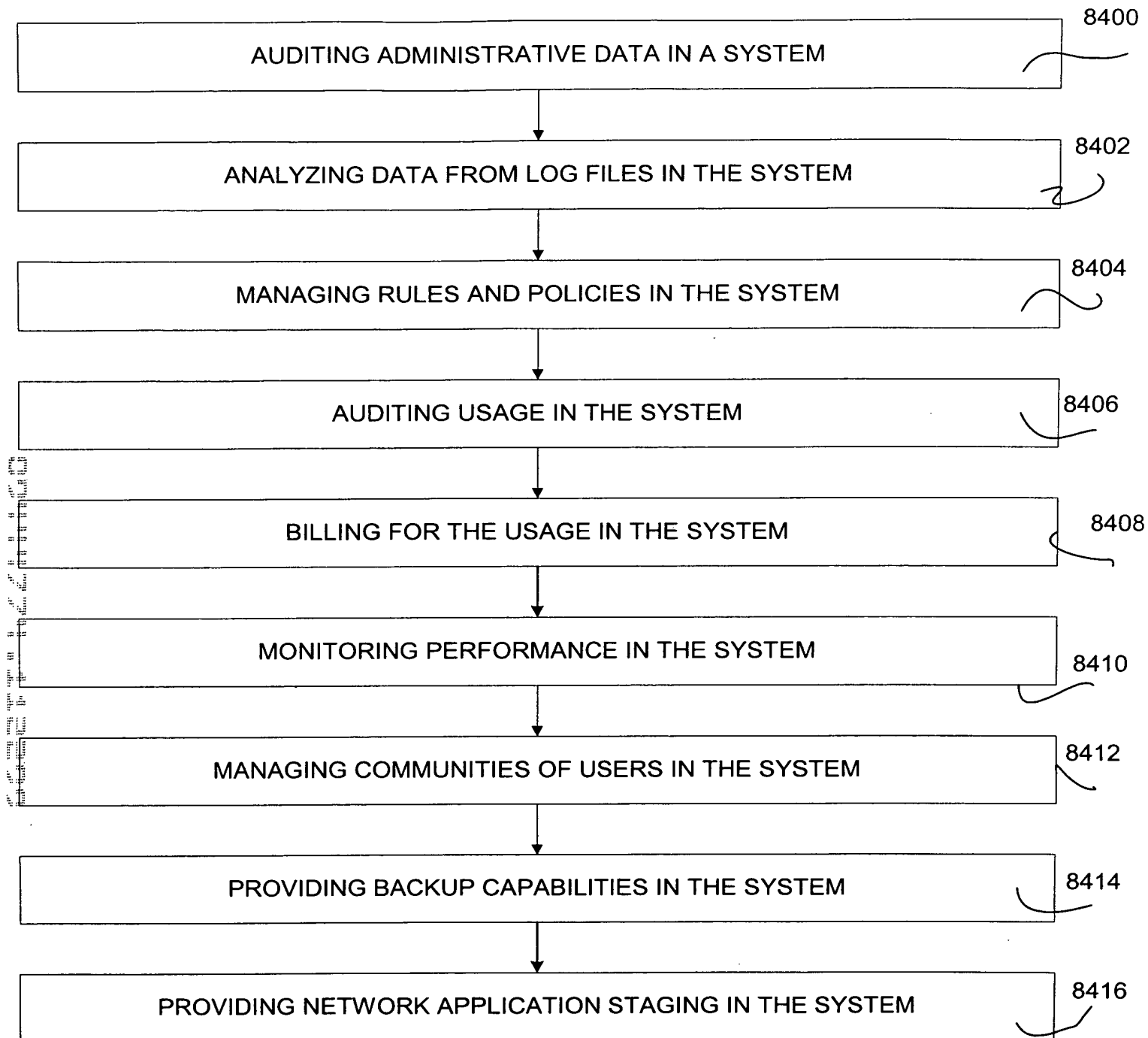
5326

Figure 82



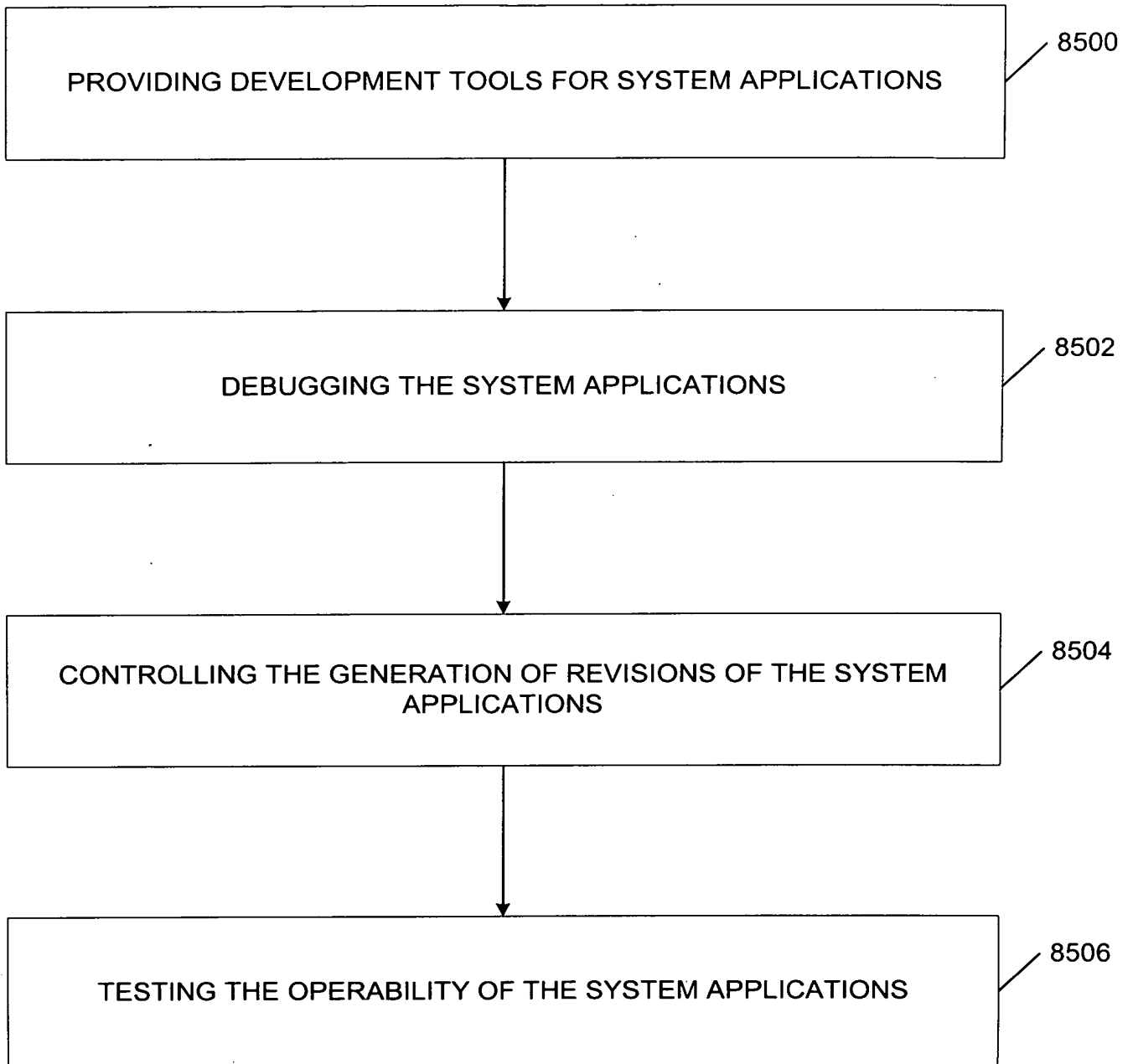
5328

Figure 83



5330

Figure 84



5332

Figure 85

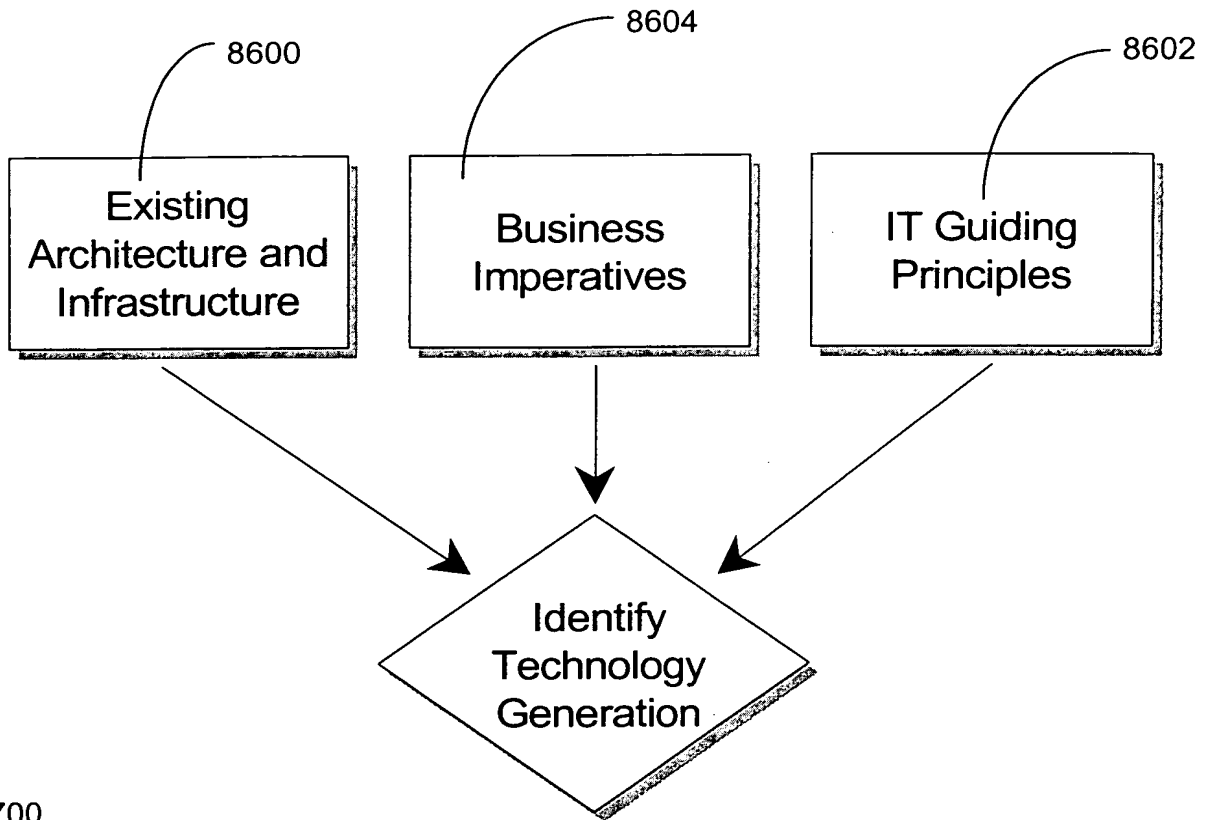


Figure 86

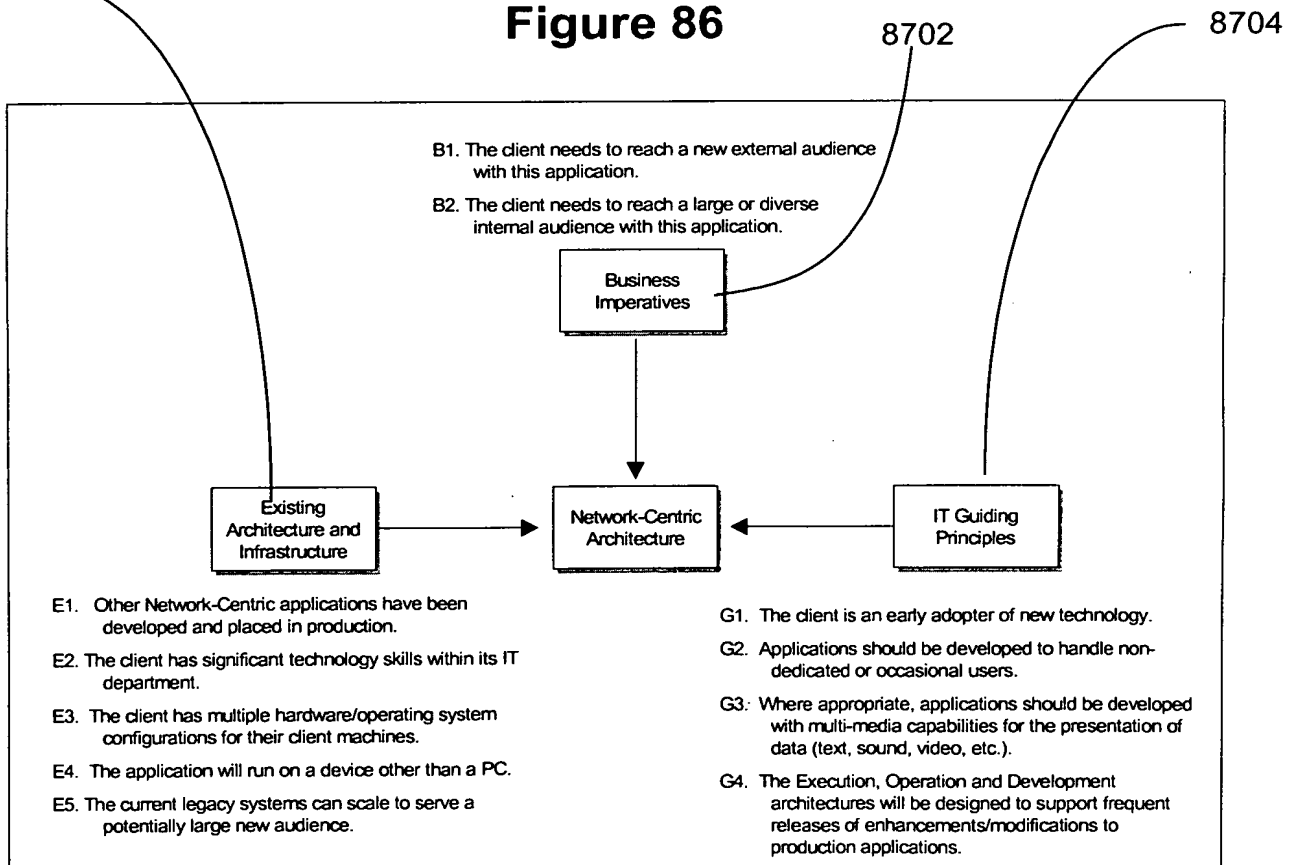


Figure 87

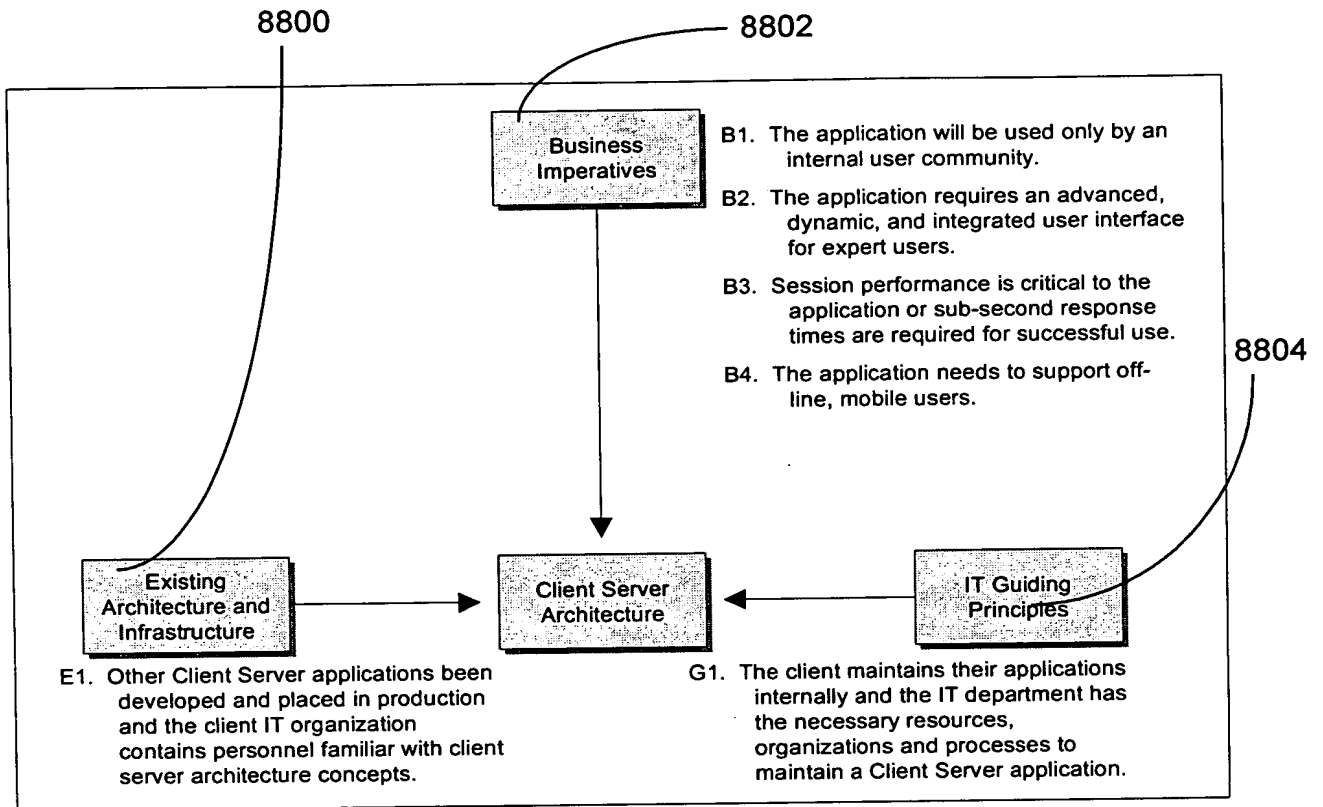
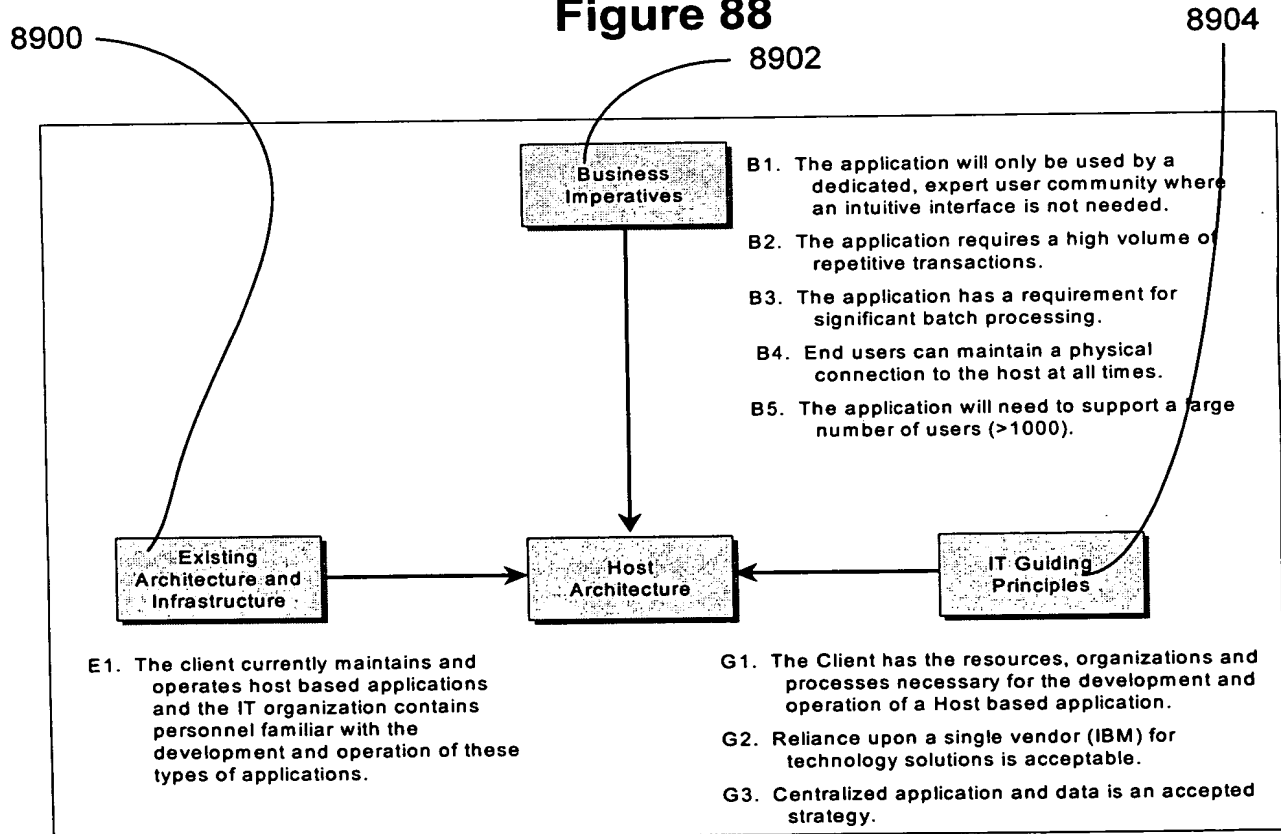


Figure 88



Figur 89

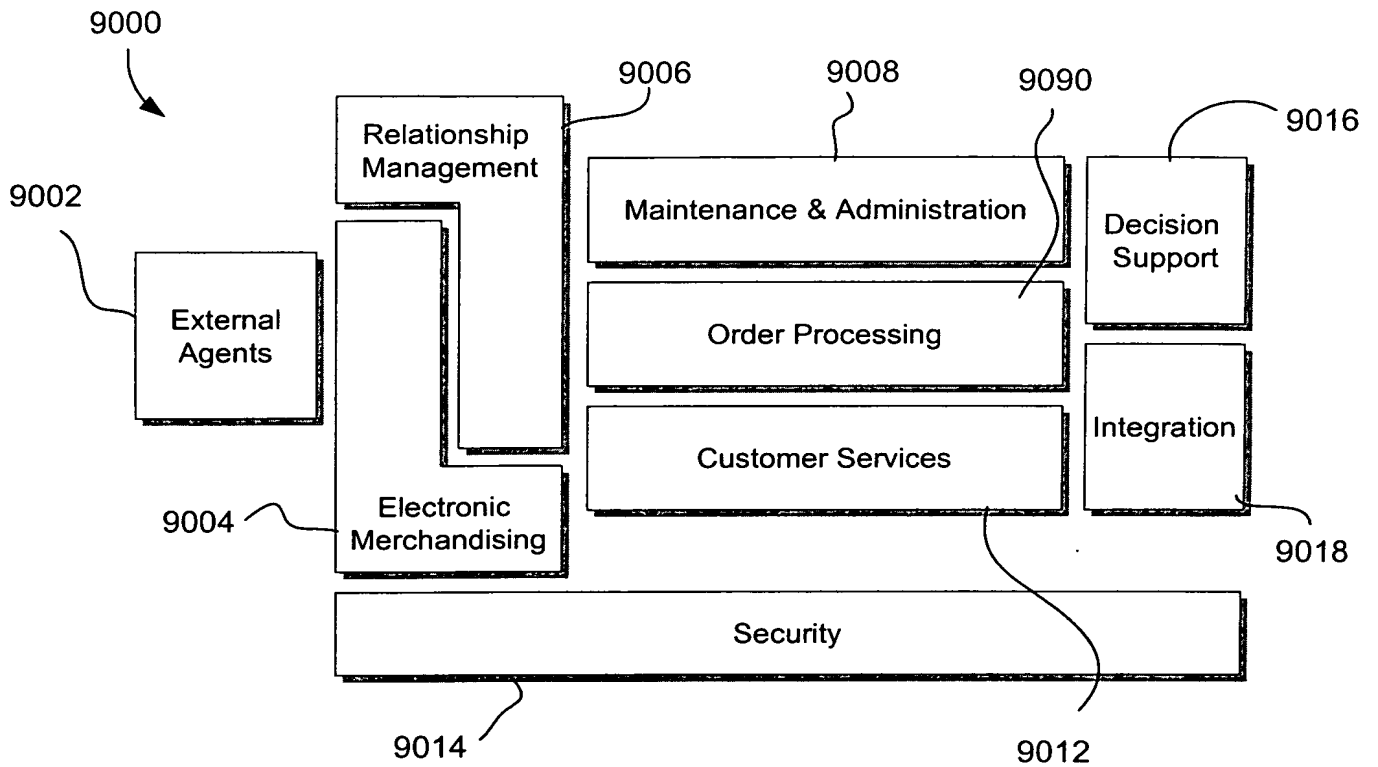


Figure 90

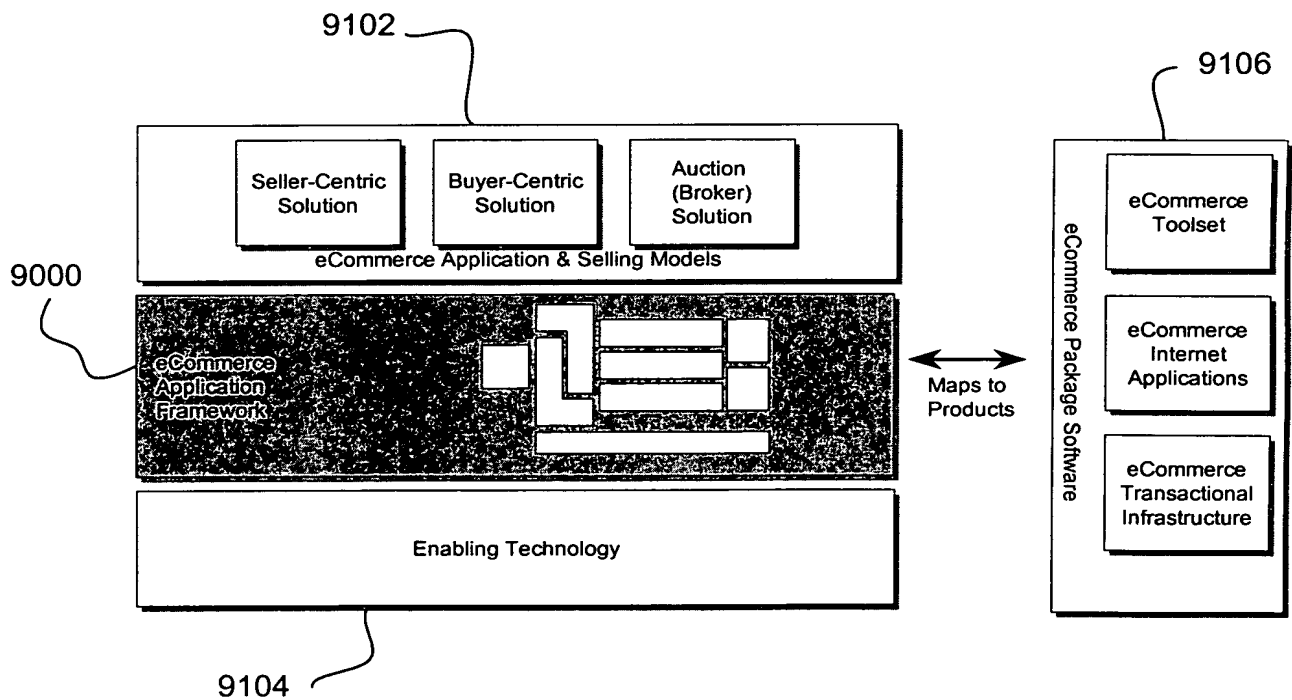


Figure 91

9200

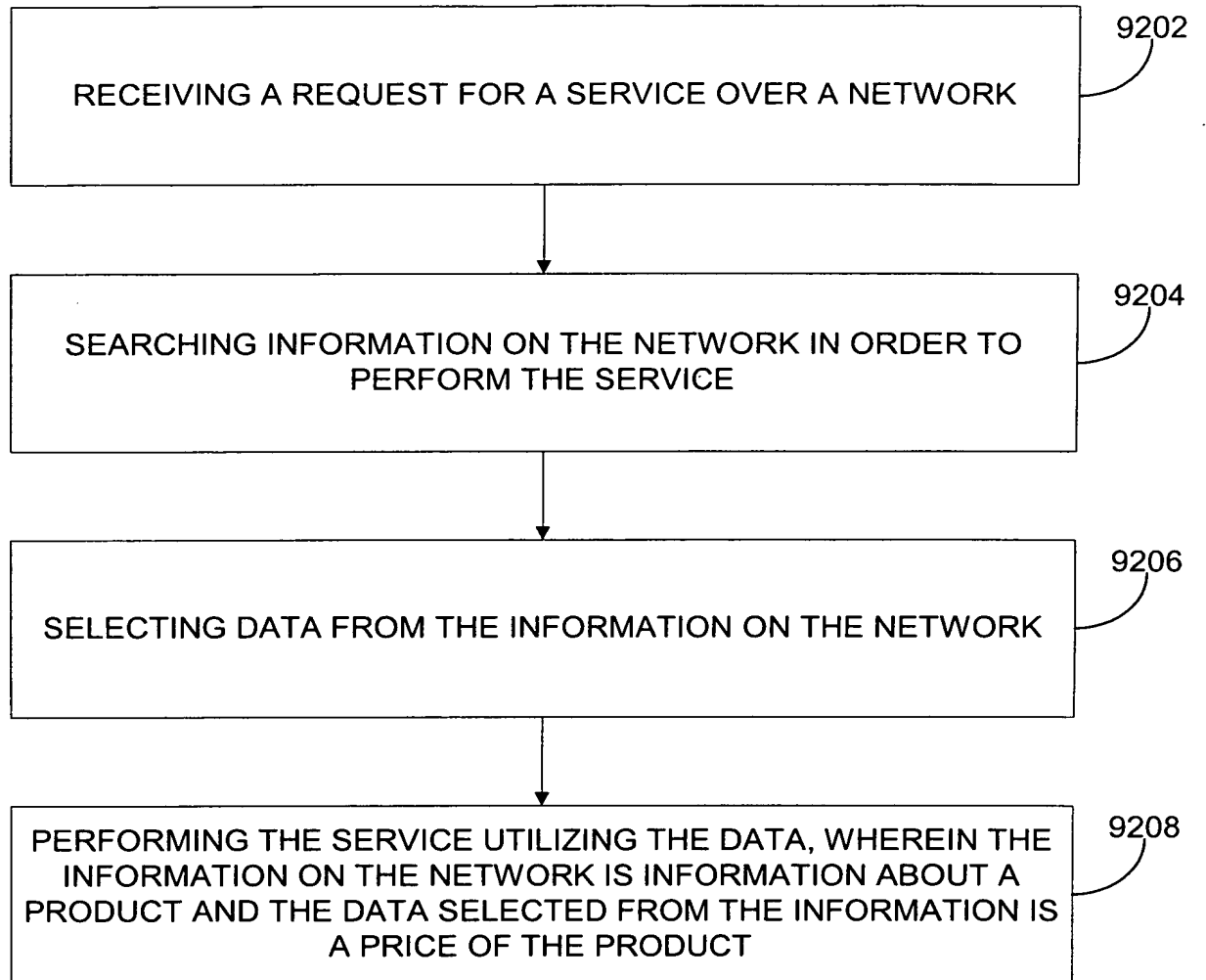
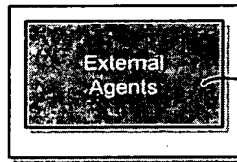


Figure 92

1002



9300

Figure 93

9004

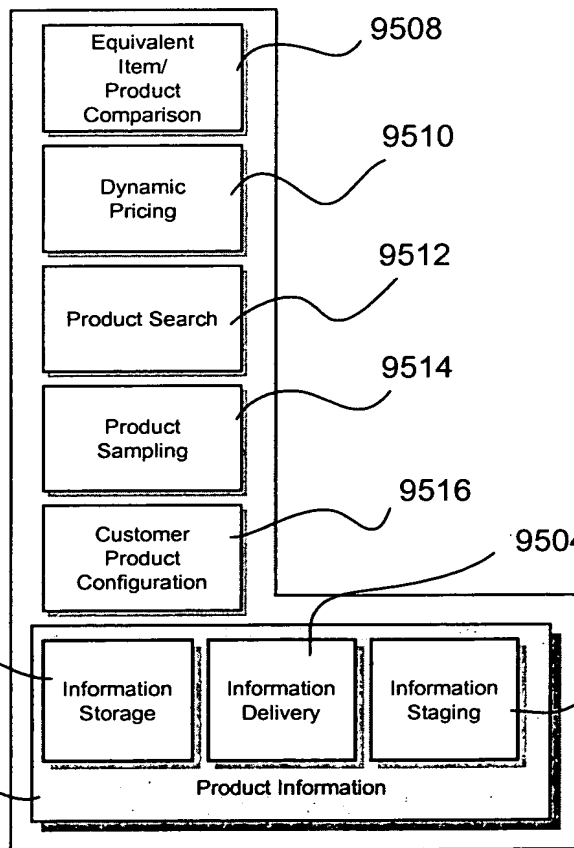


Figure 95

9400

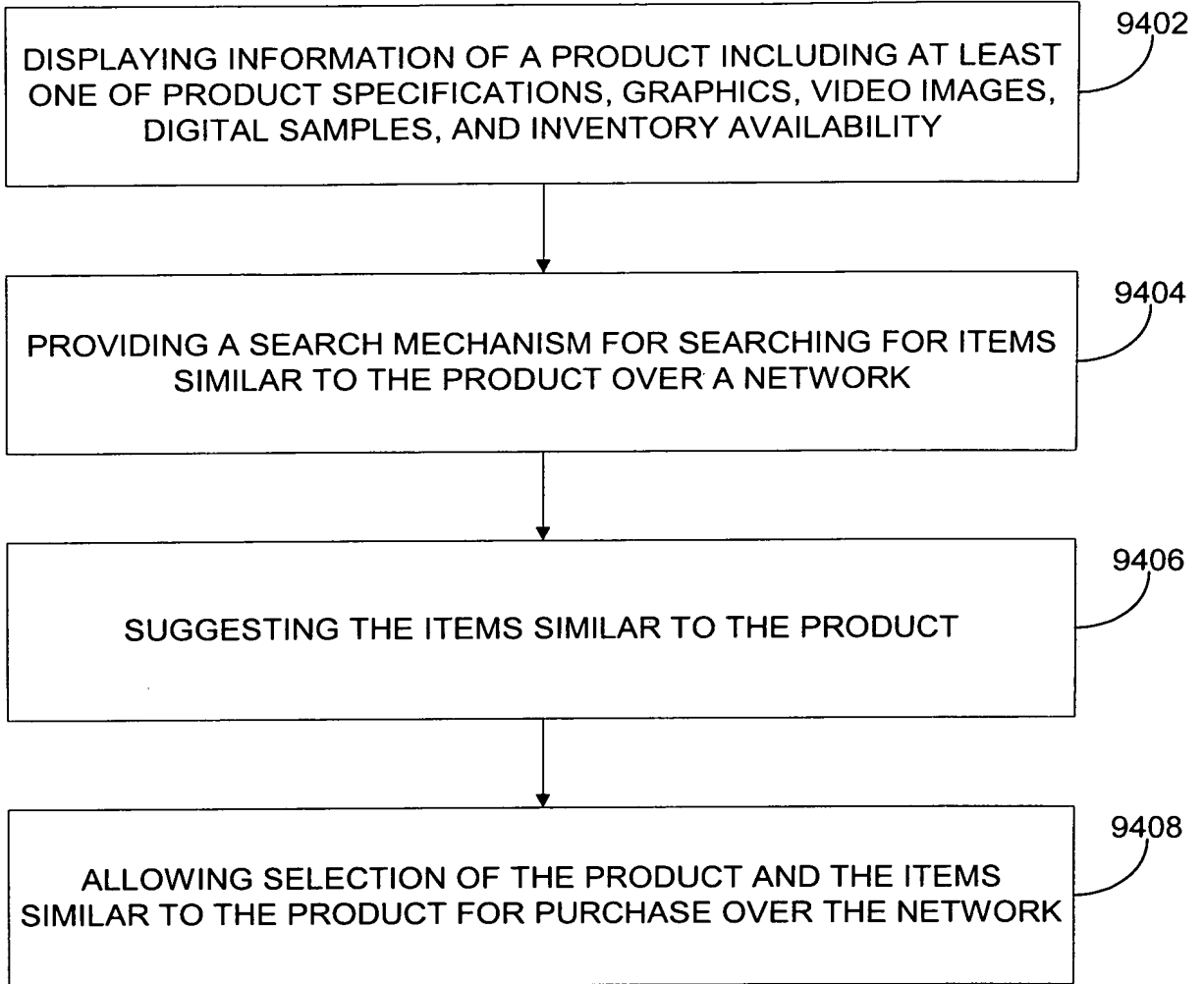


Figure 94

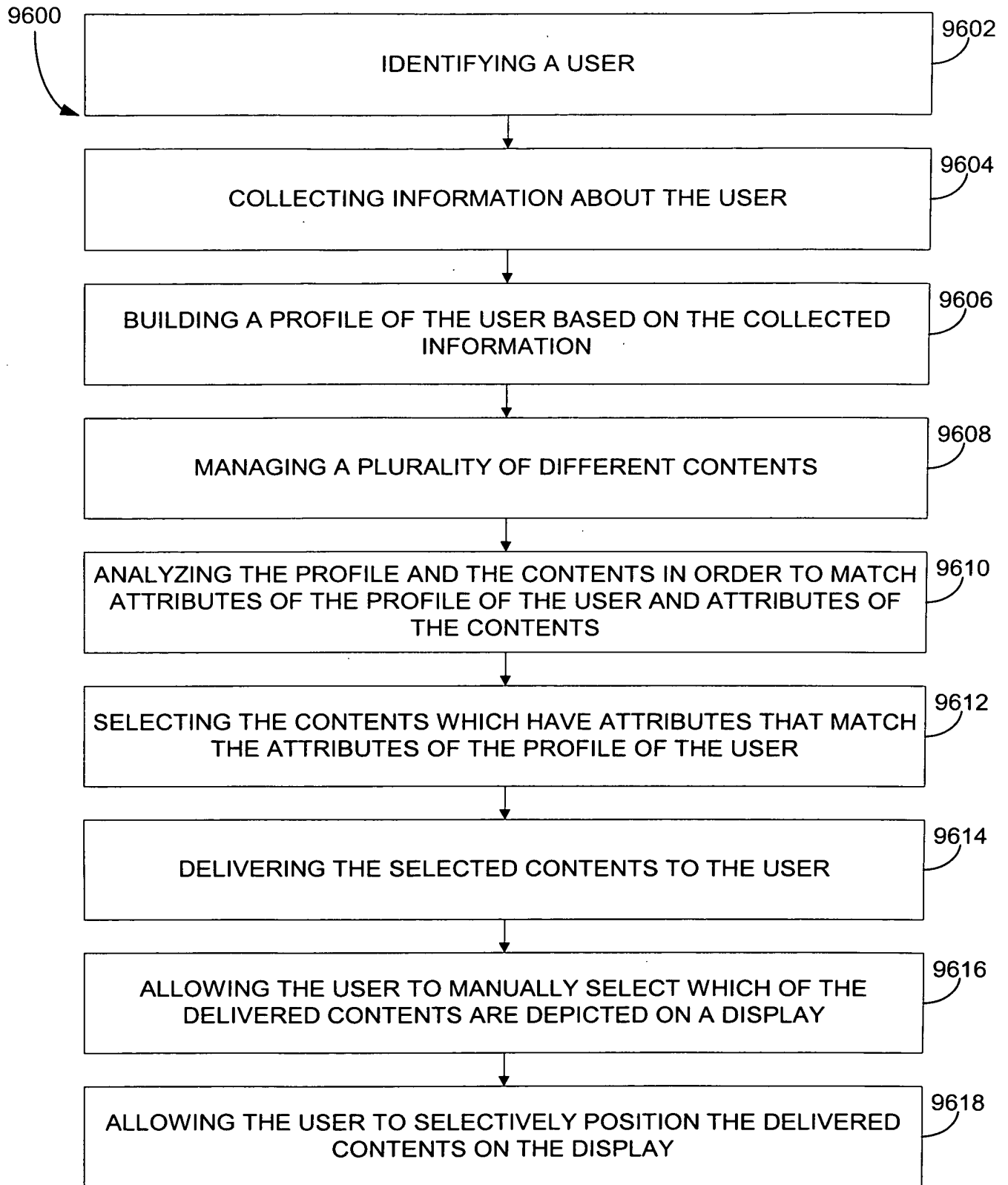


Figure 96

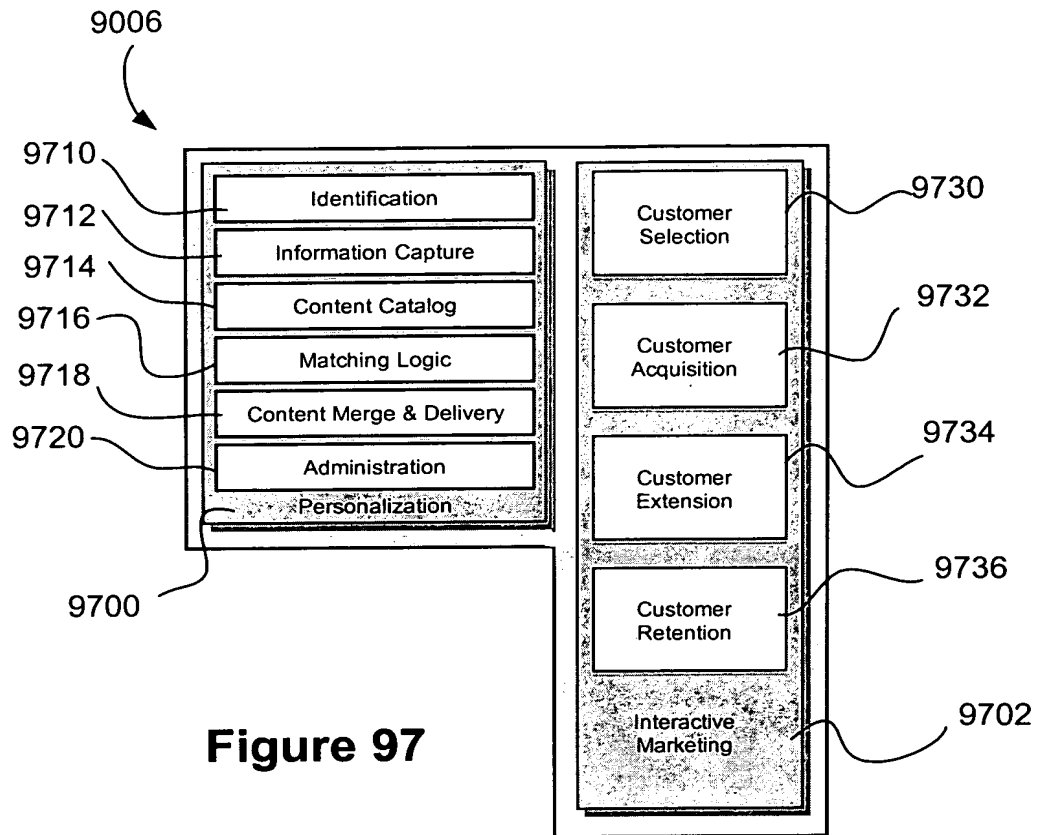


Figure 97

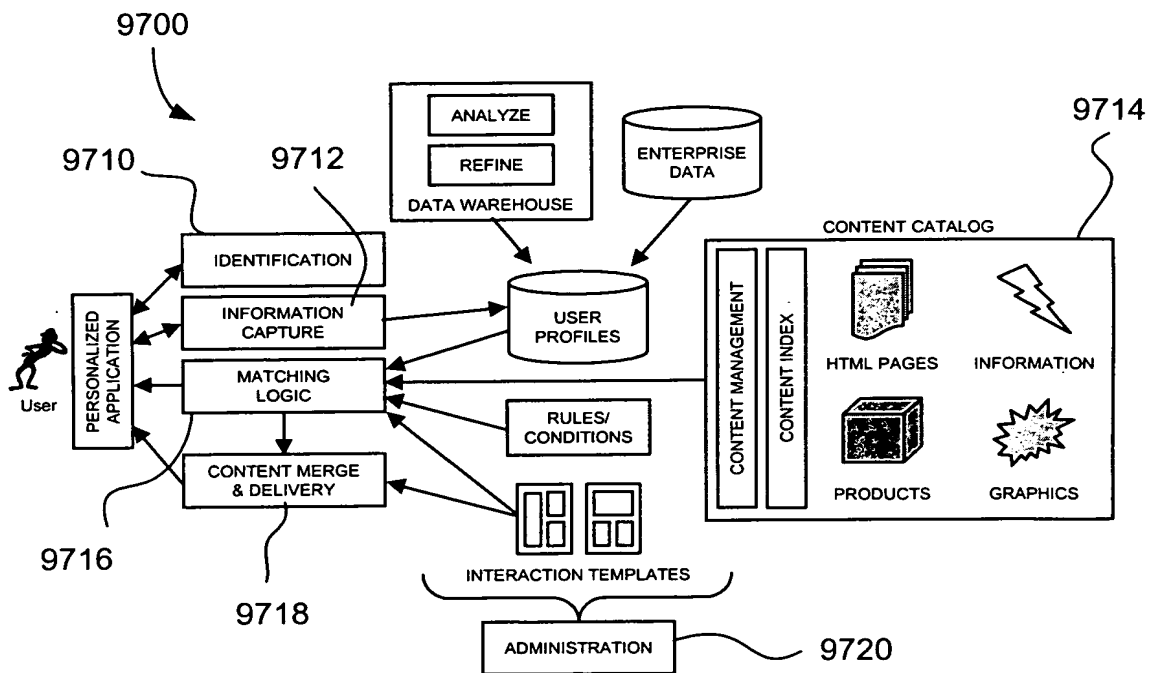


Figure 98

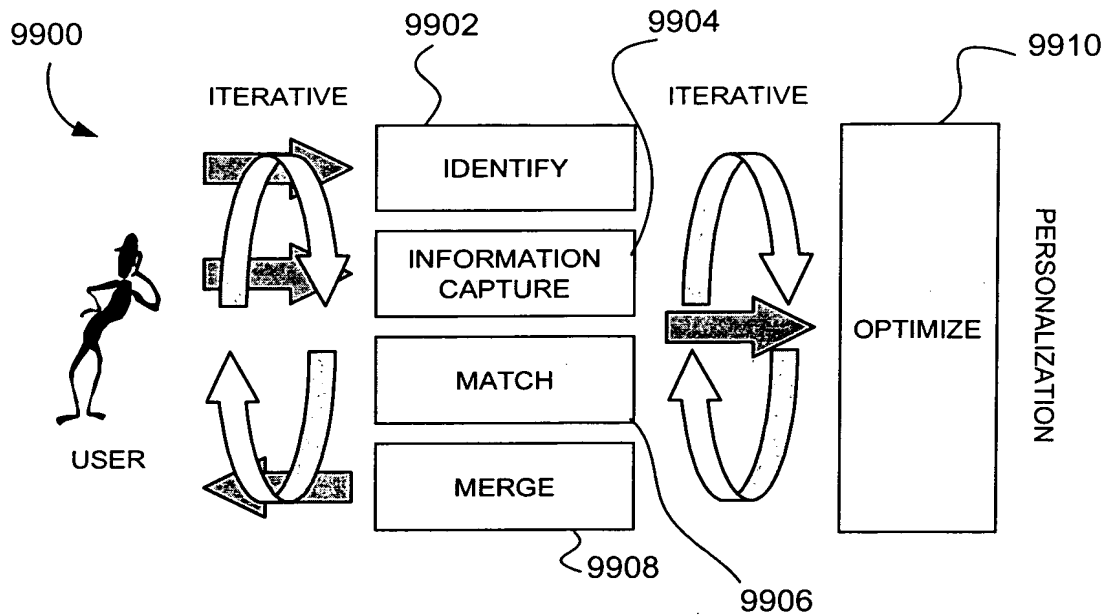


Figure 99

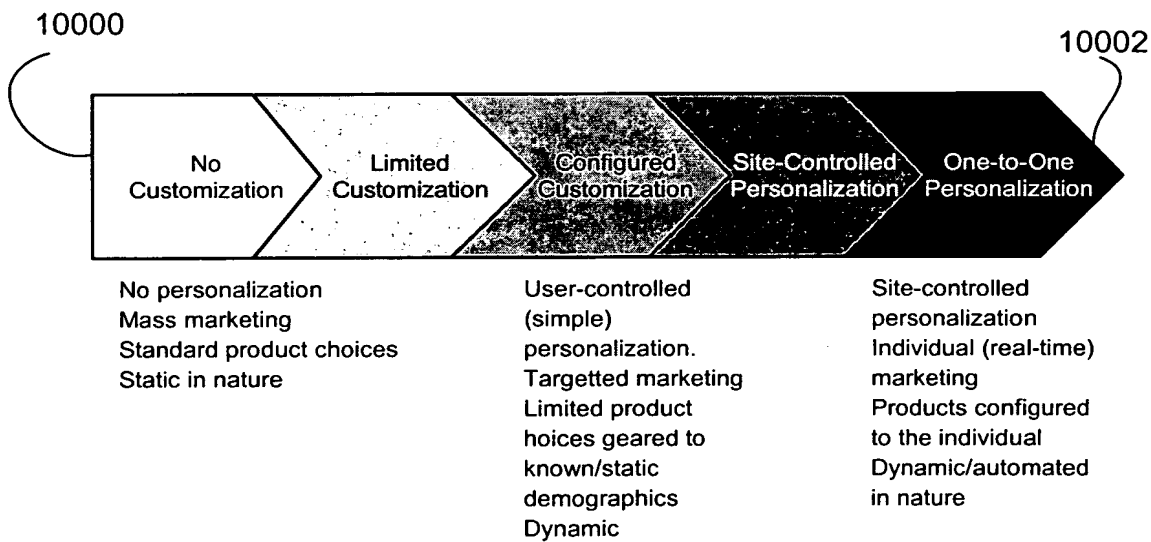


Figure 100

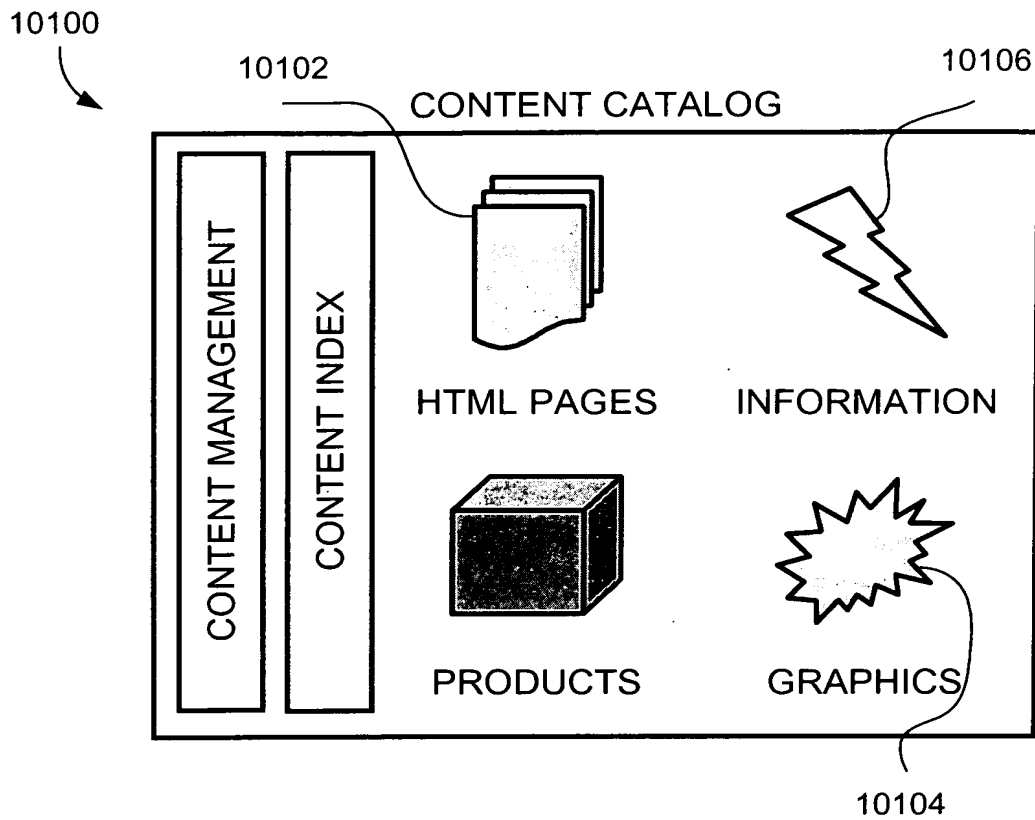


Figure 101

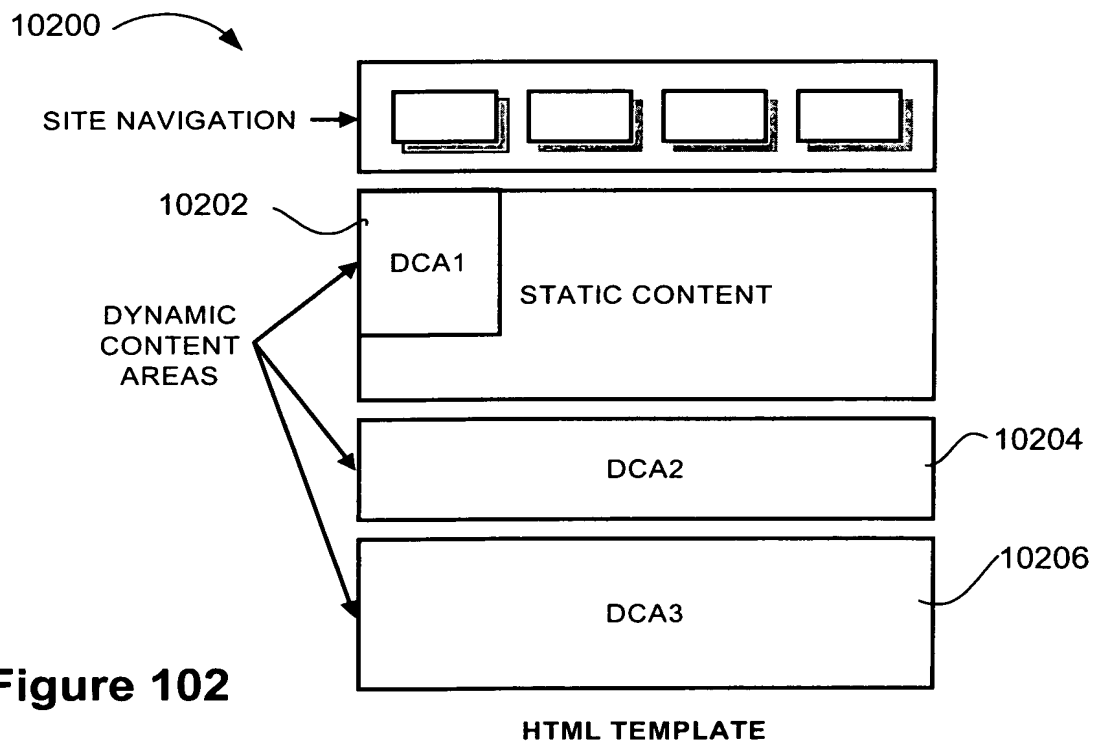


Figure 102

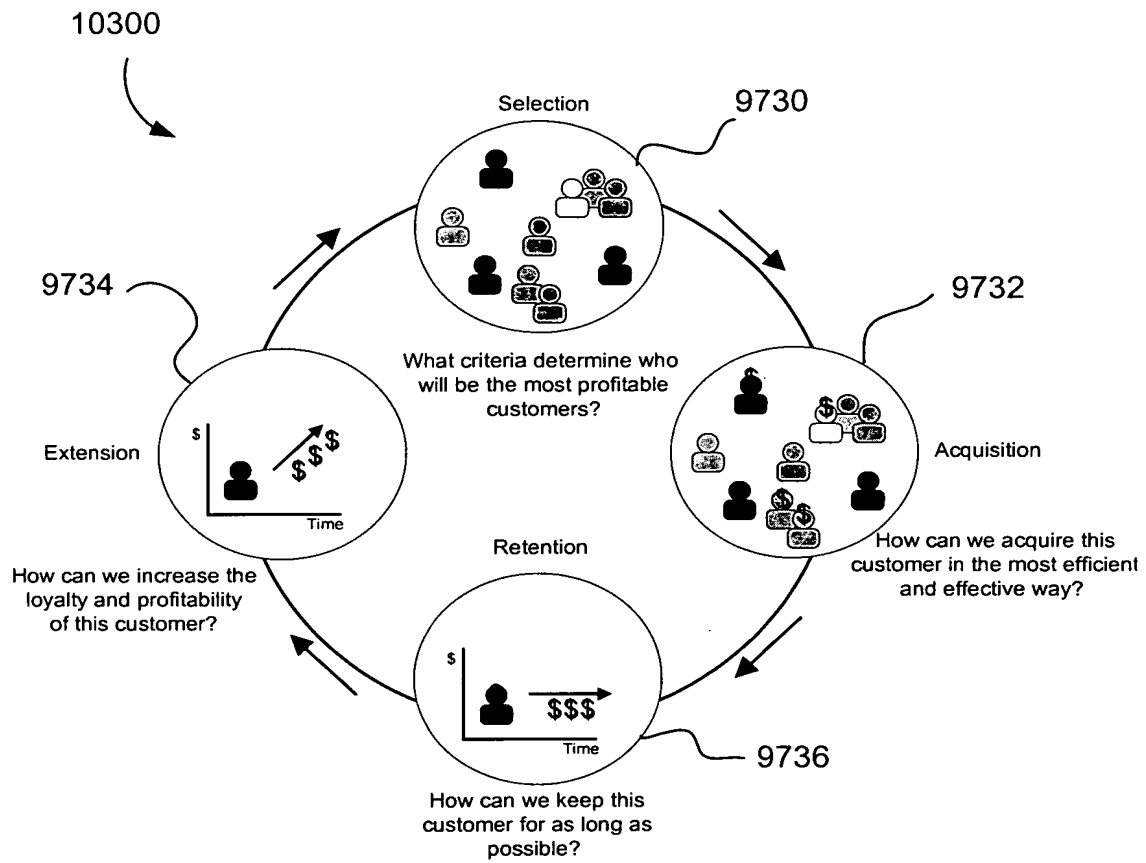


Figure 103

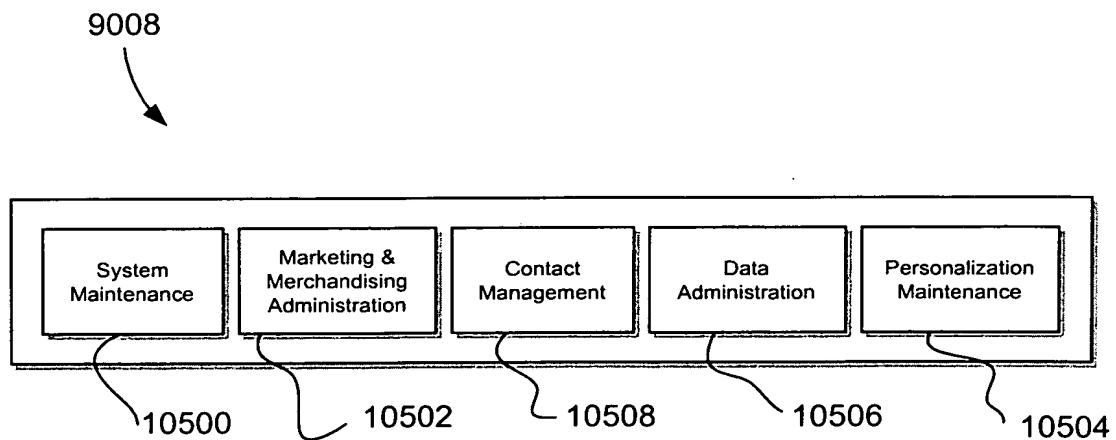


Figure 105

10400

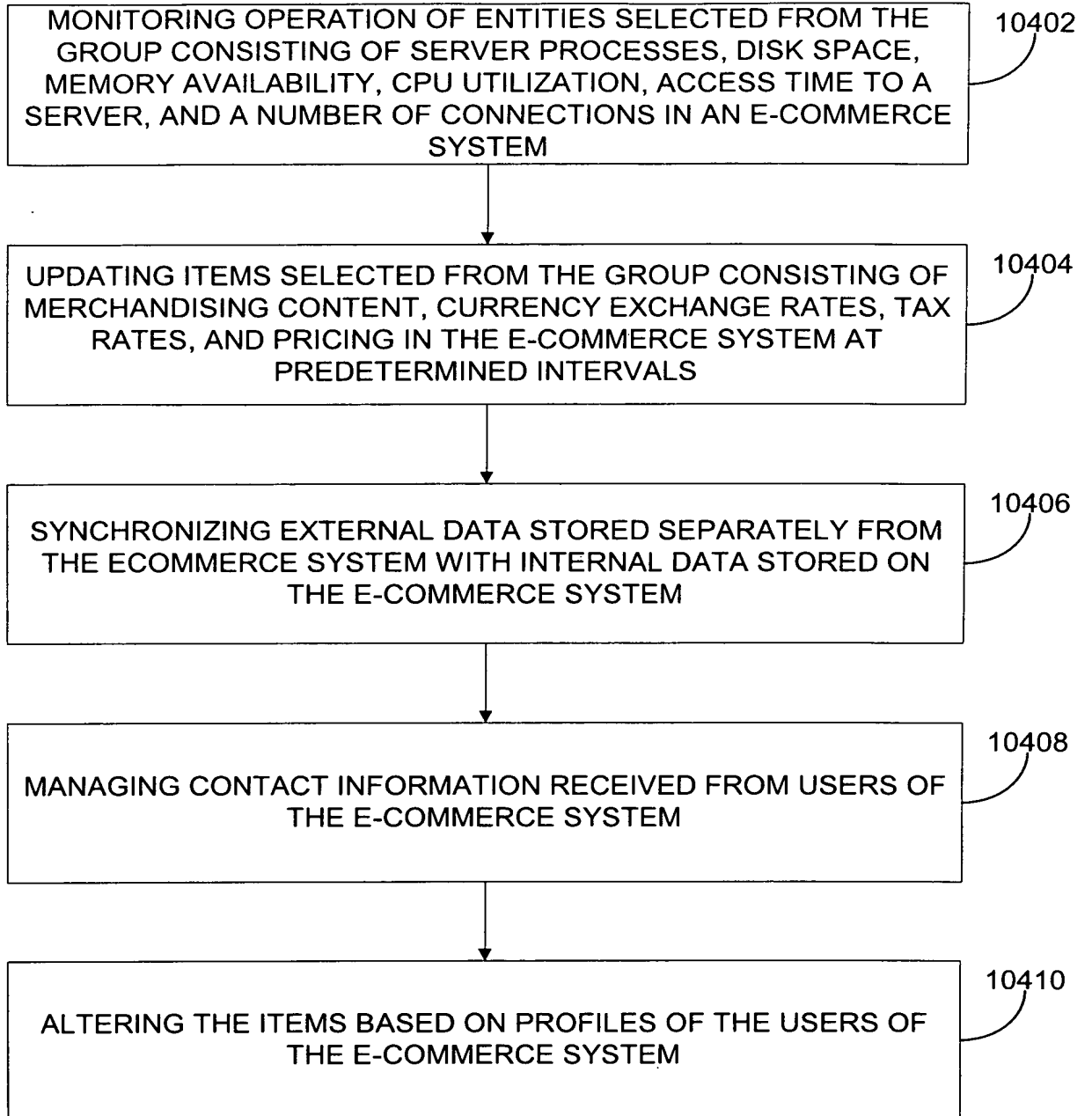


Figure 104

9010

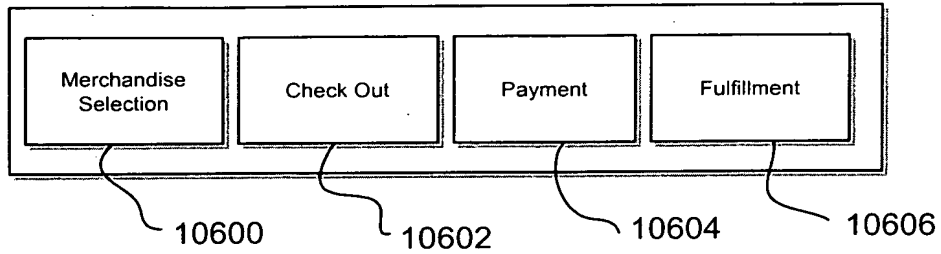


Figure 106

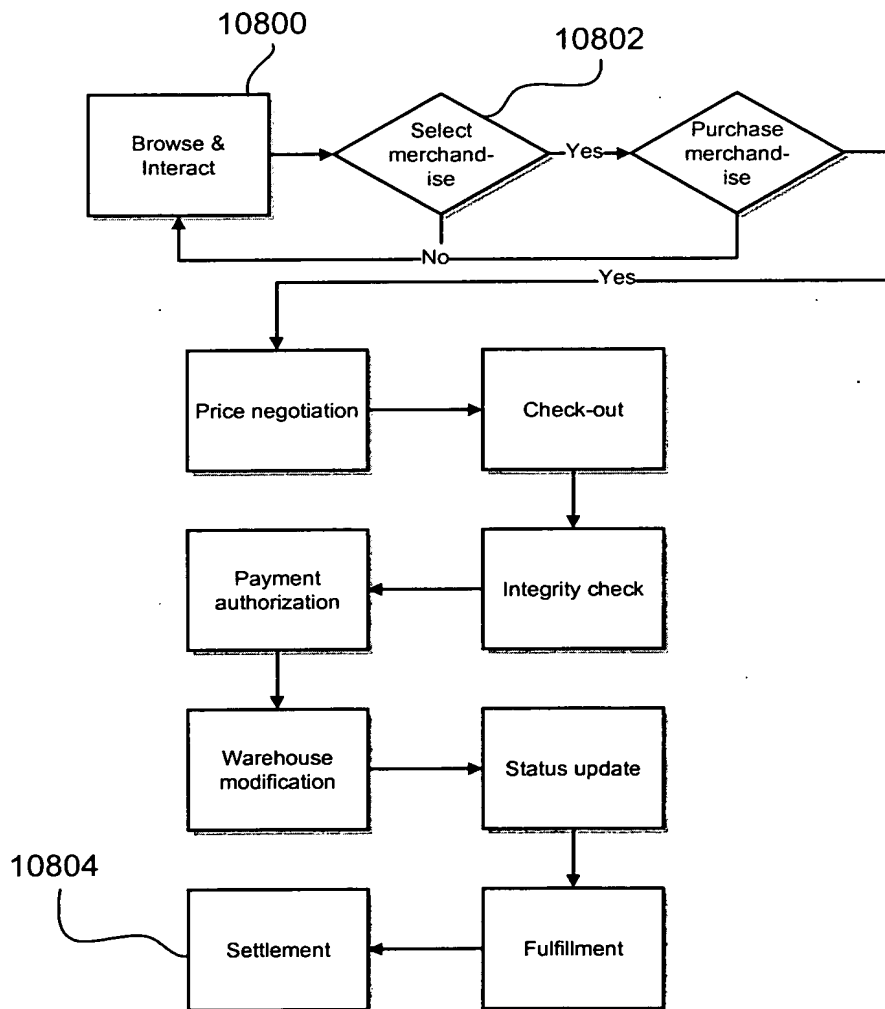


Figure 108

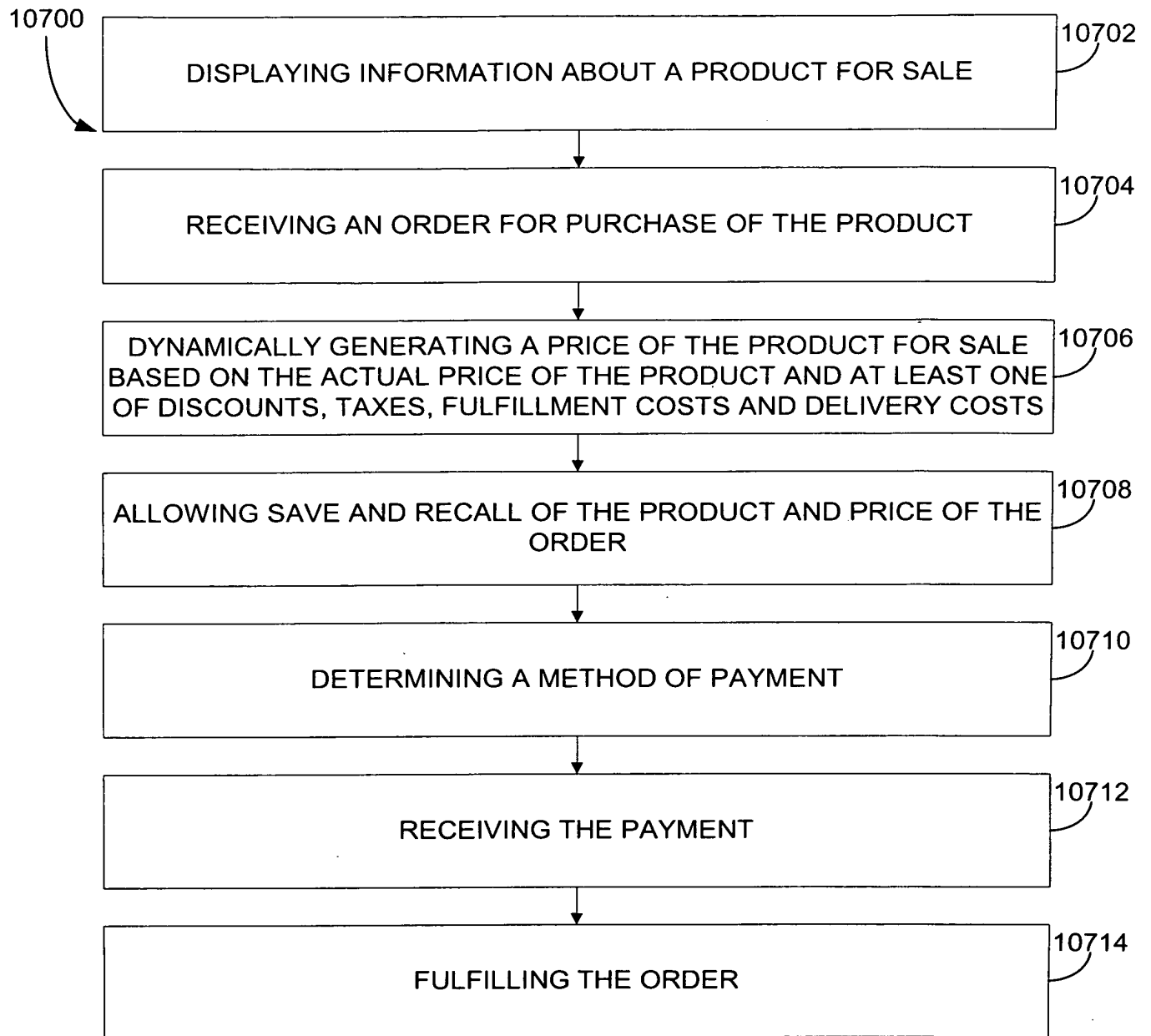


Figure 107

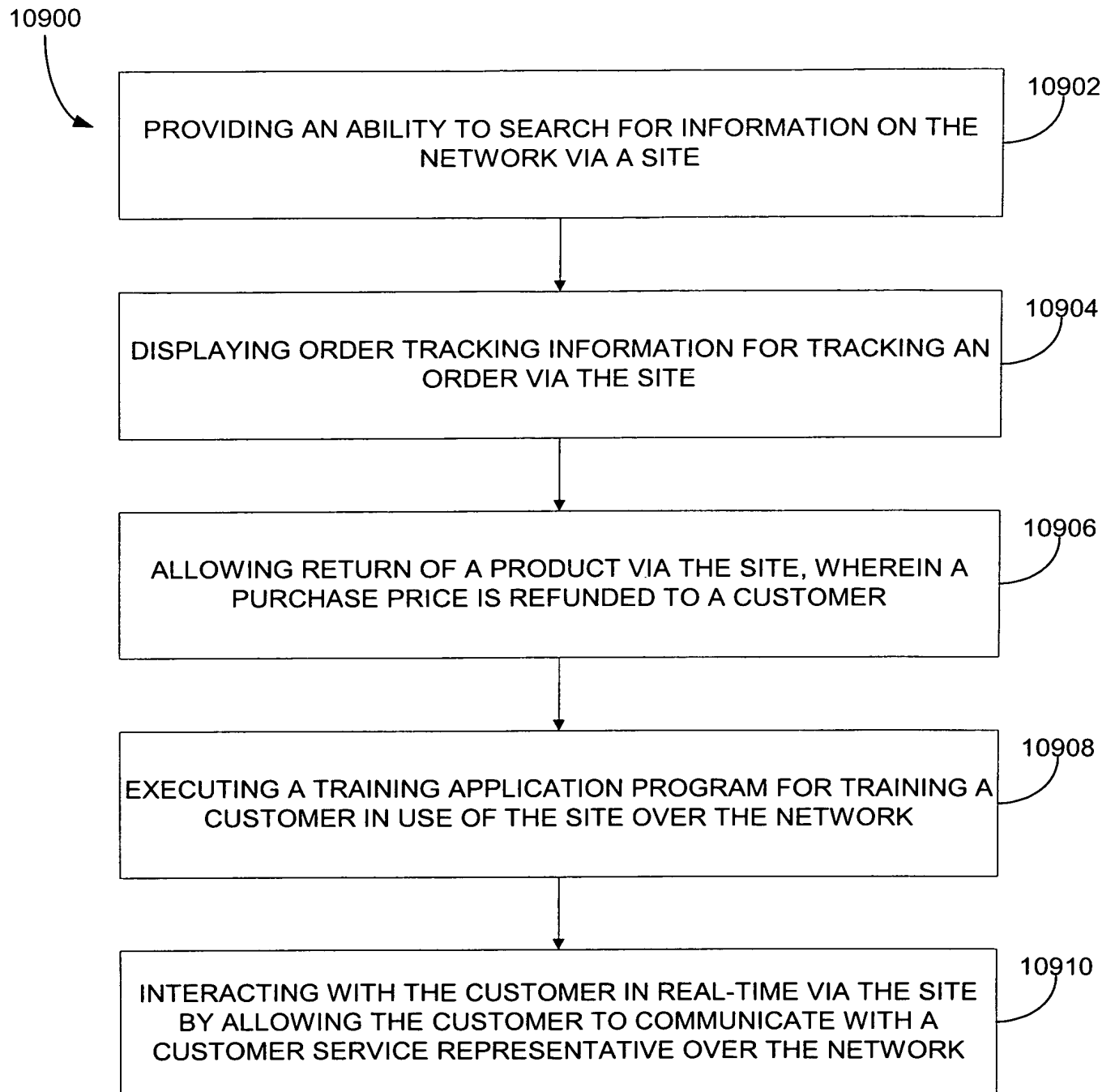


Figure 109

9012

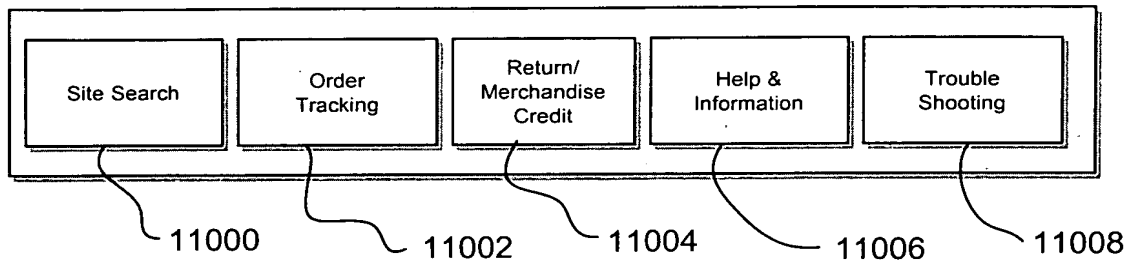


Figure 110

9014

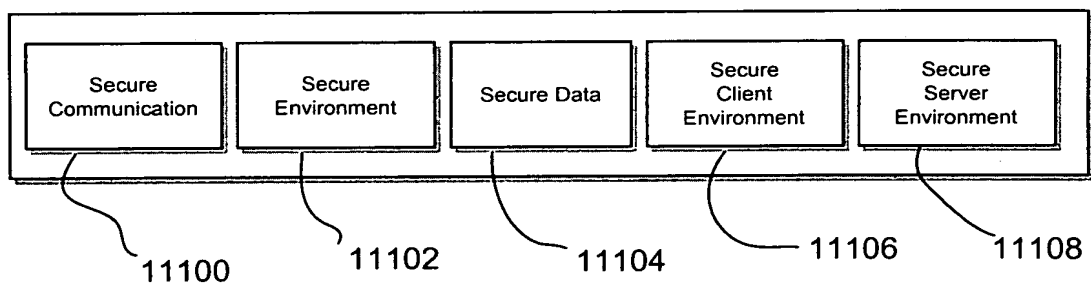


Figure 111

11200

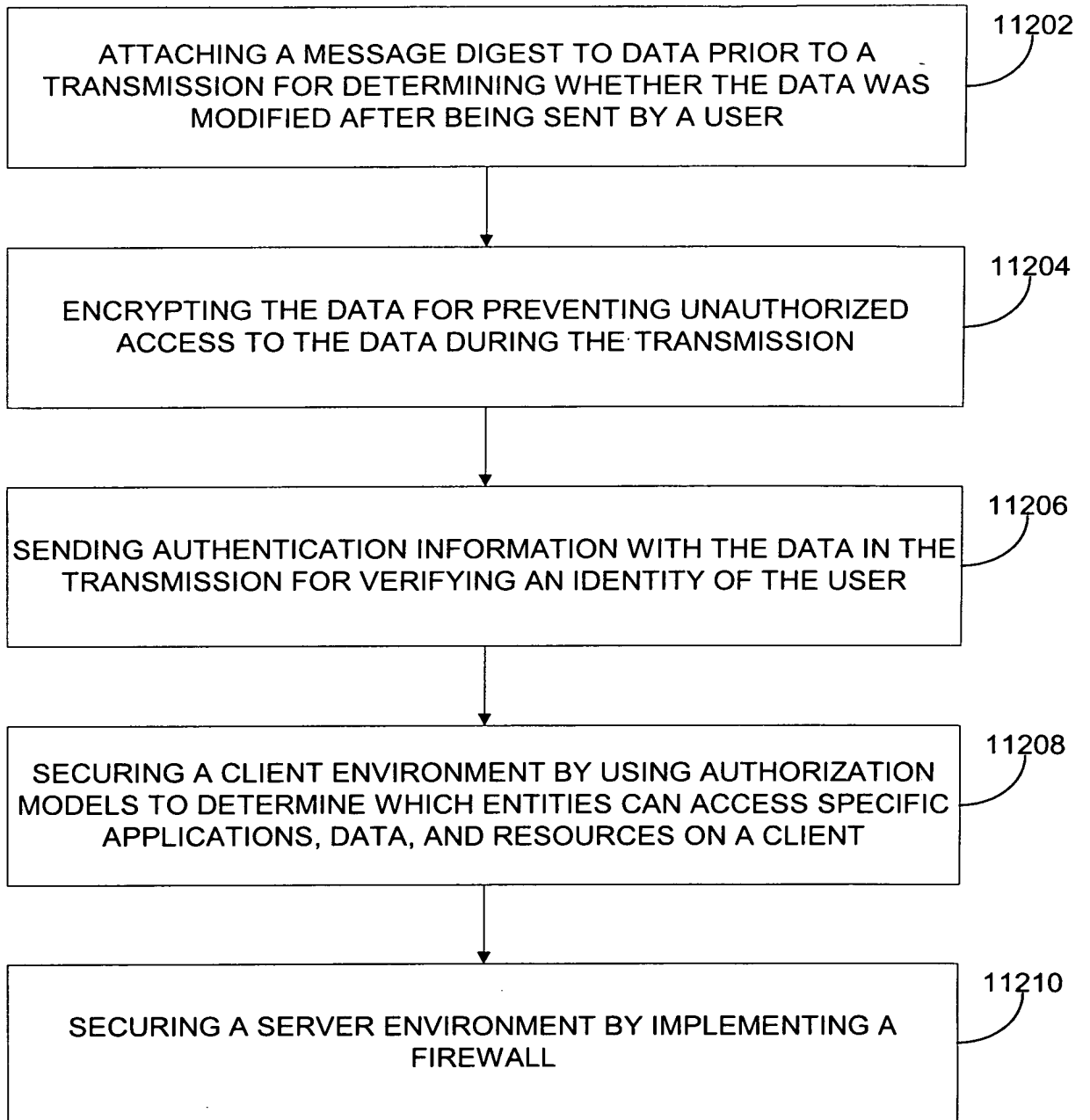


Figure 112

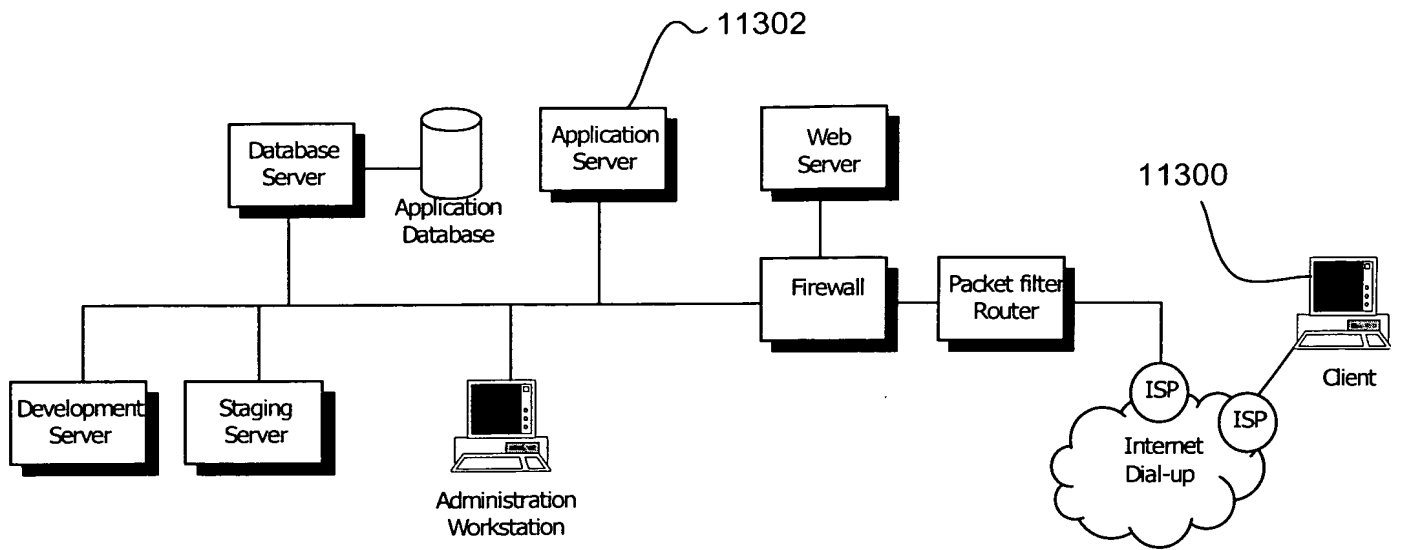


Figure 113

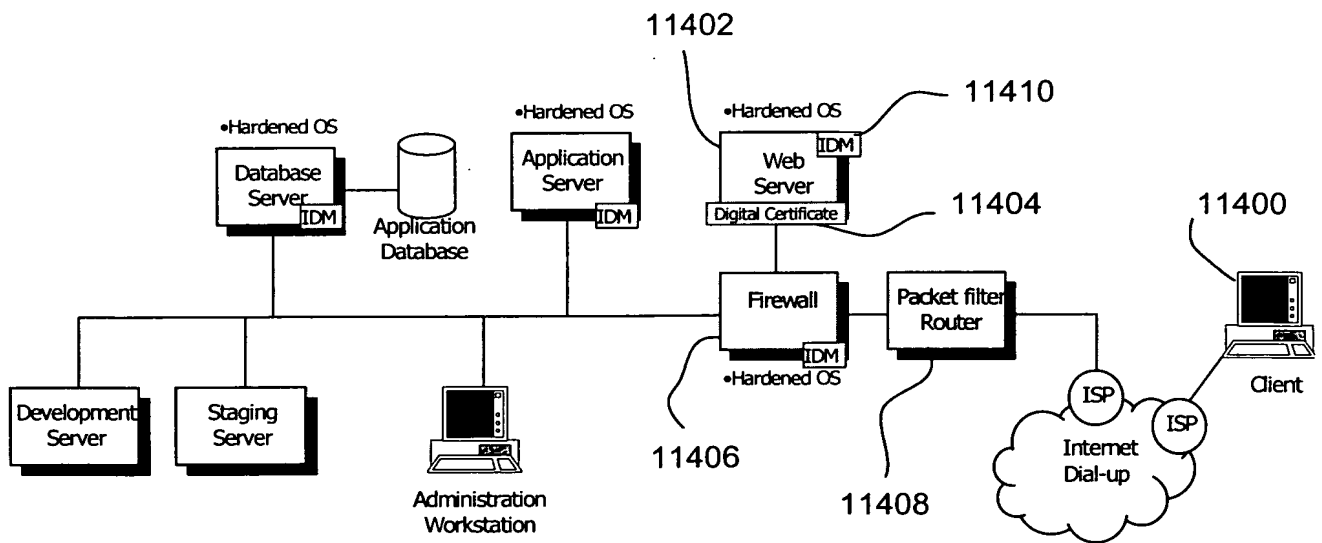


Figure 114

11500 11502 11504 11506

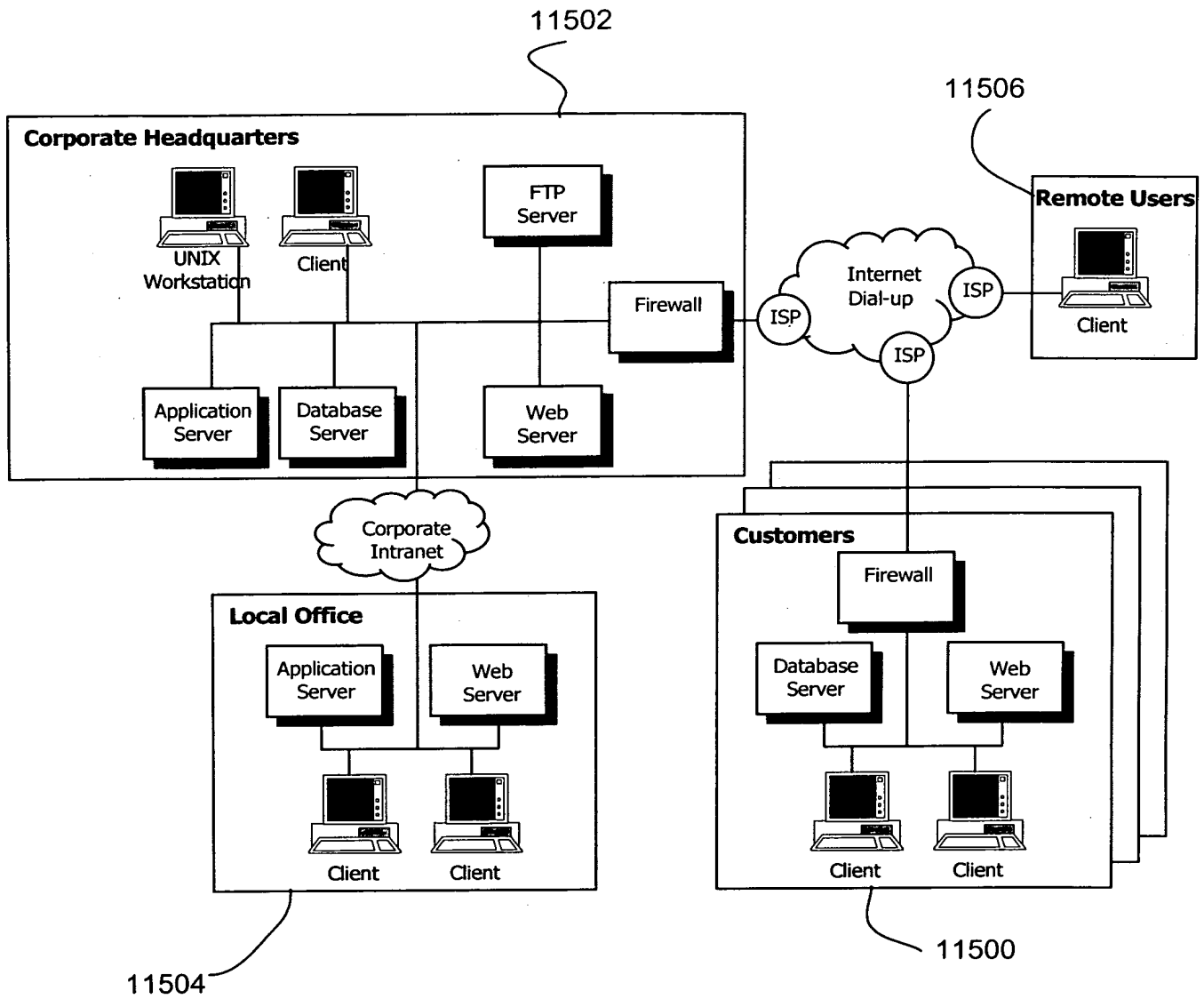


Figure 115

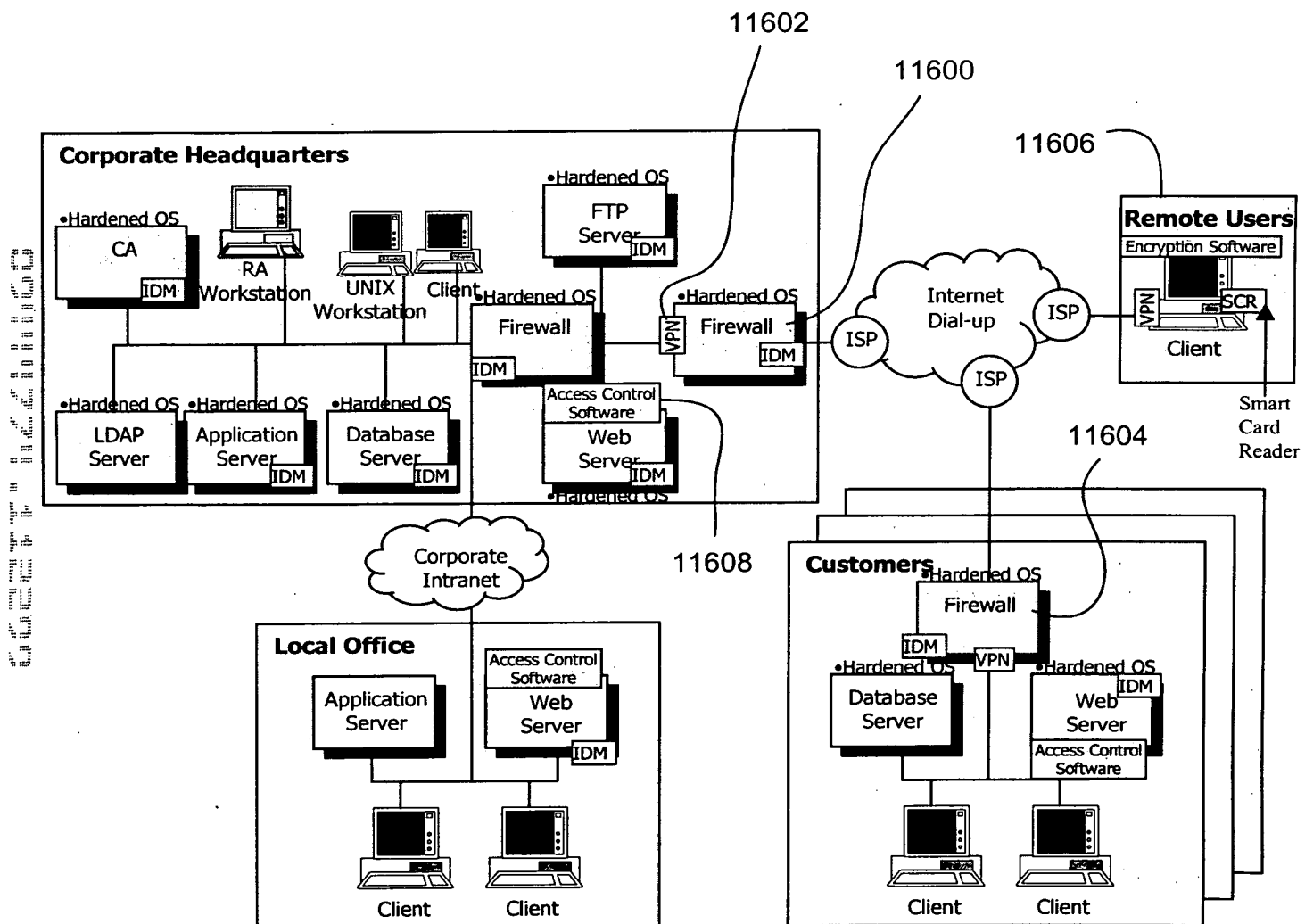


Figure 116

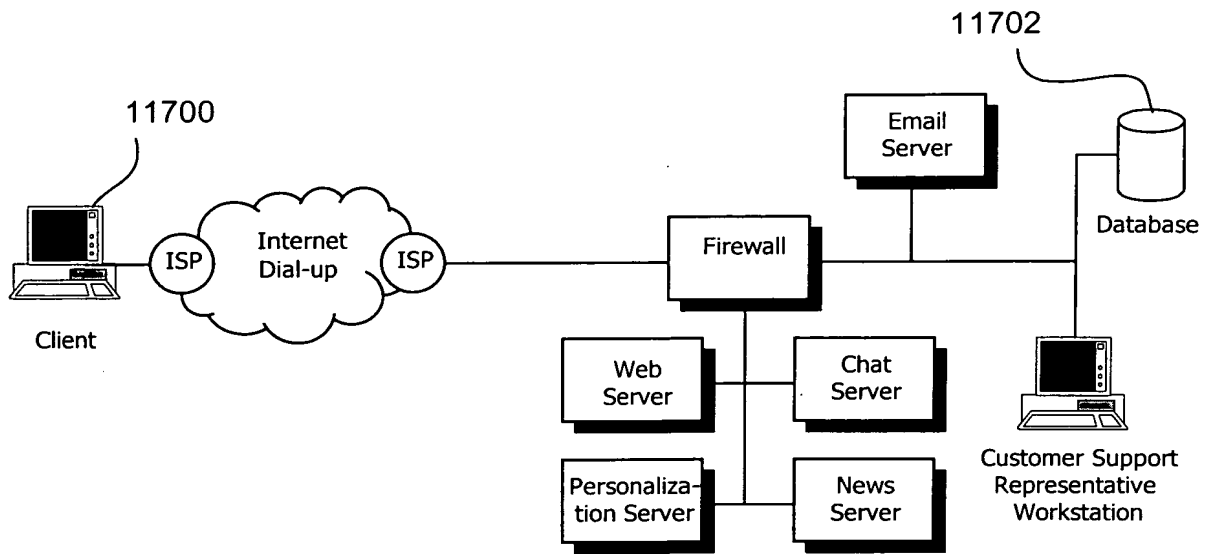


Figure 117

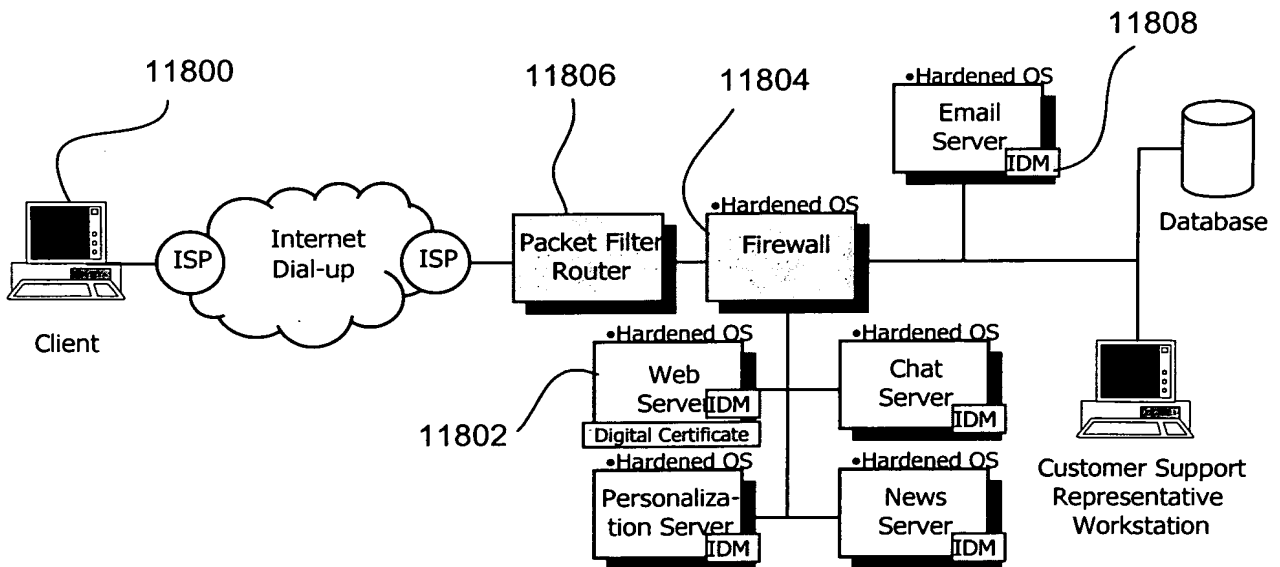


Figure 118

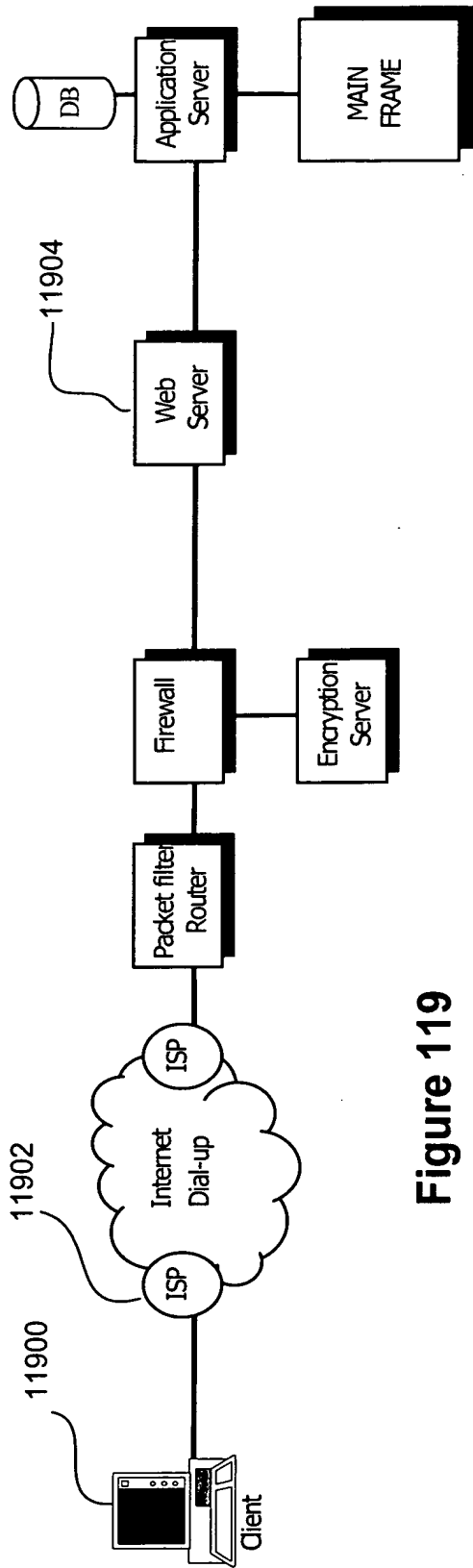


Figure 119

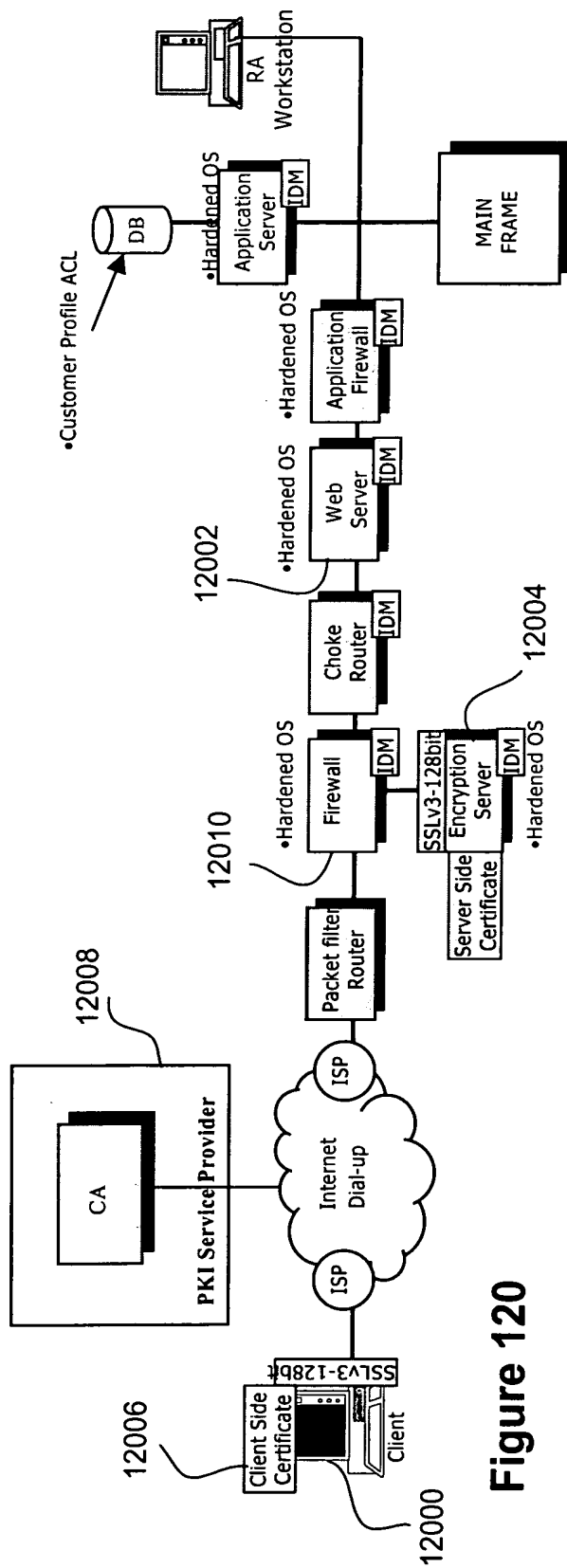


Figure 120

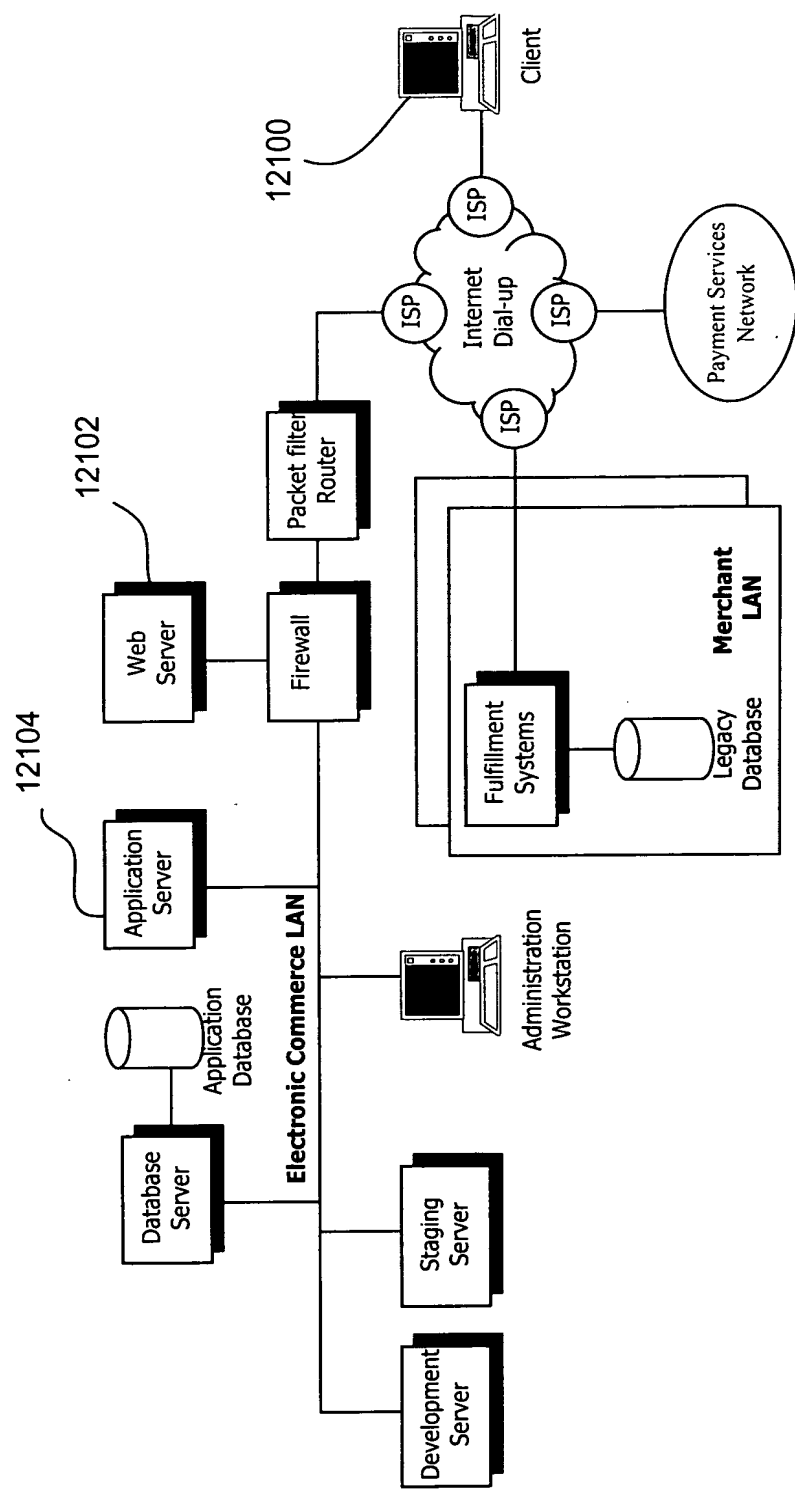


Figure 121

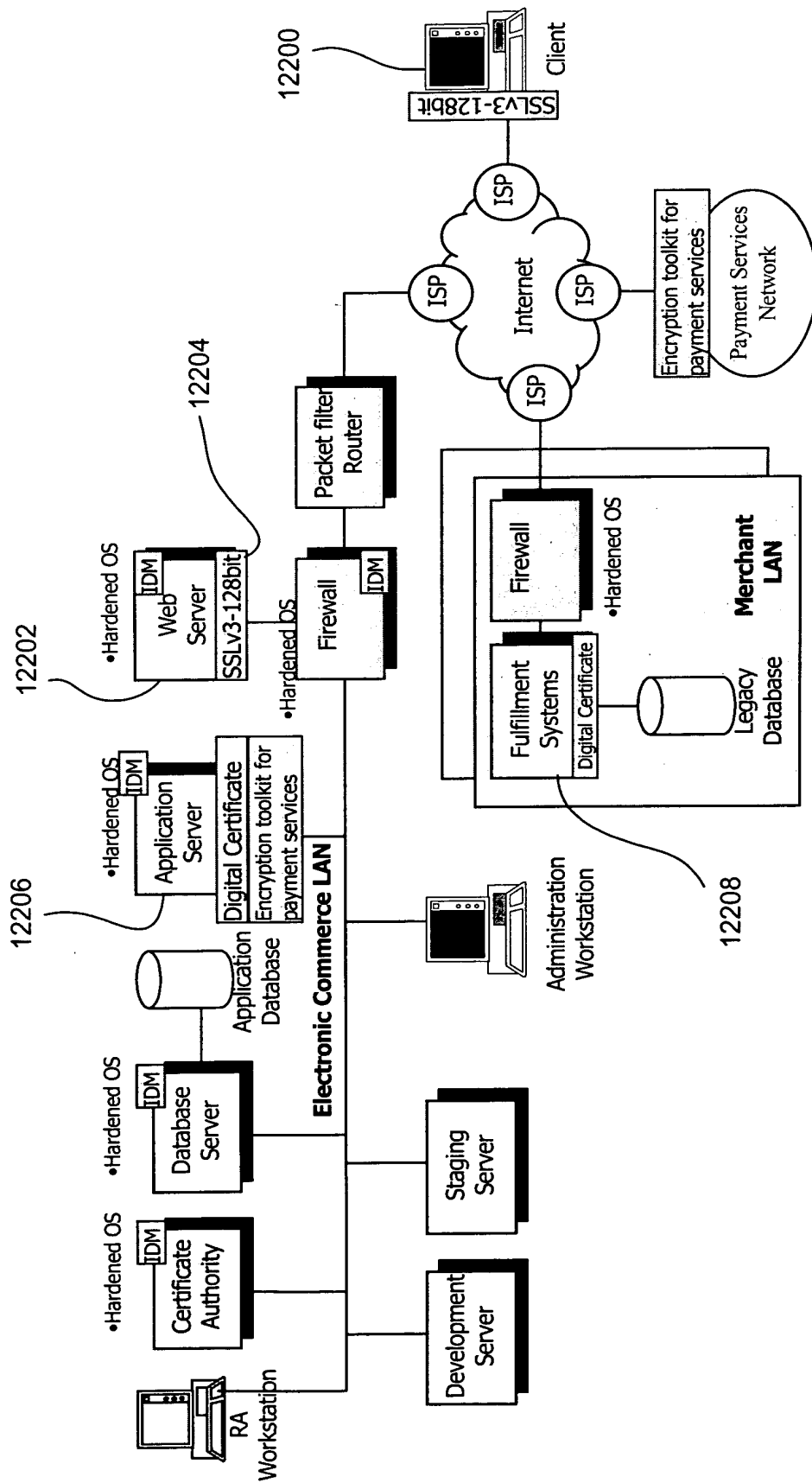


Figure 122

12300

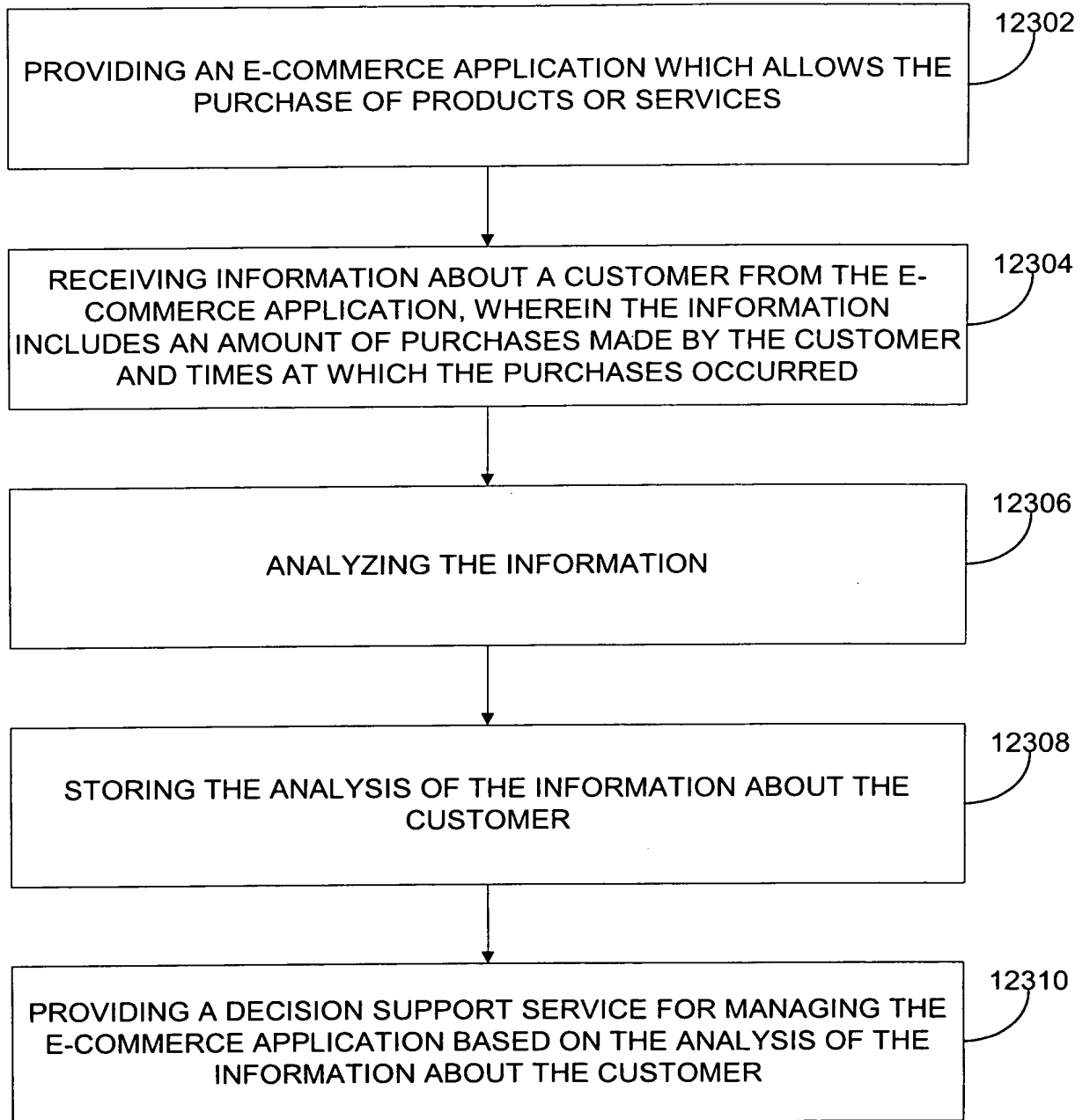


Figure 123

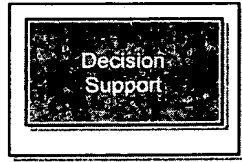


Figure 124

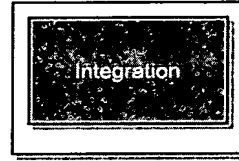


Figure 125

12600

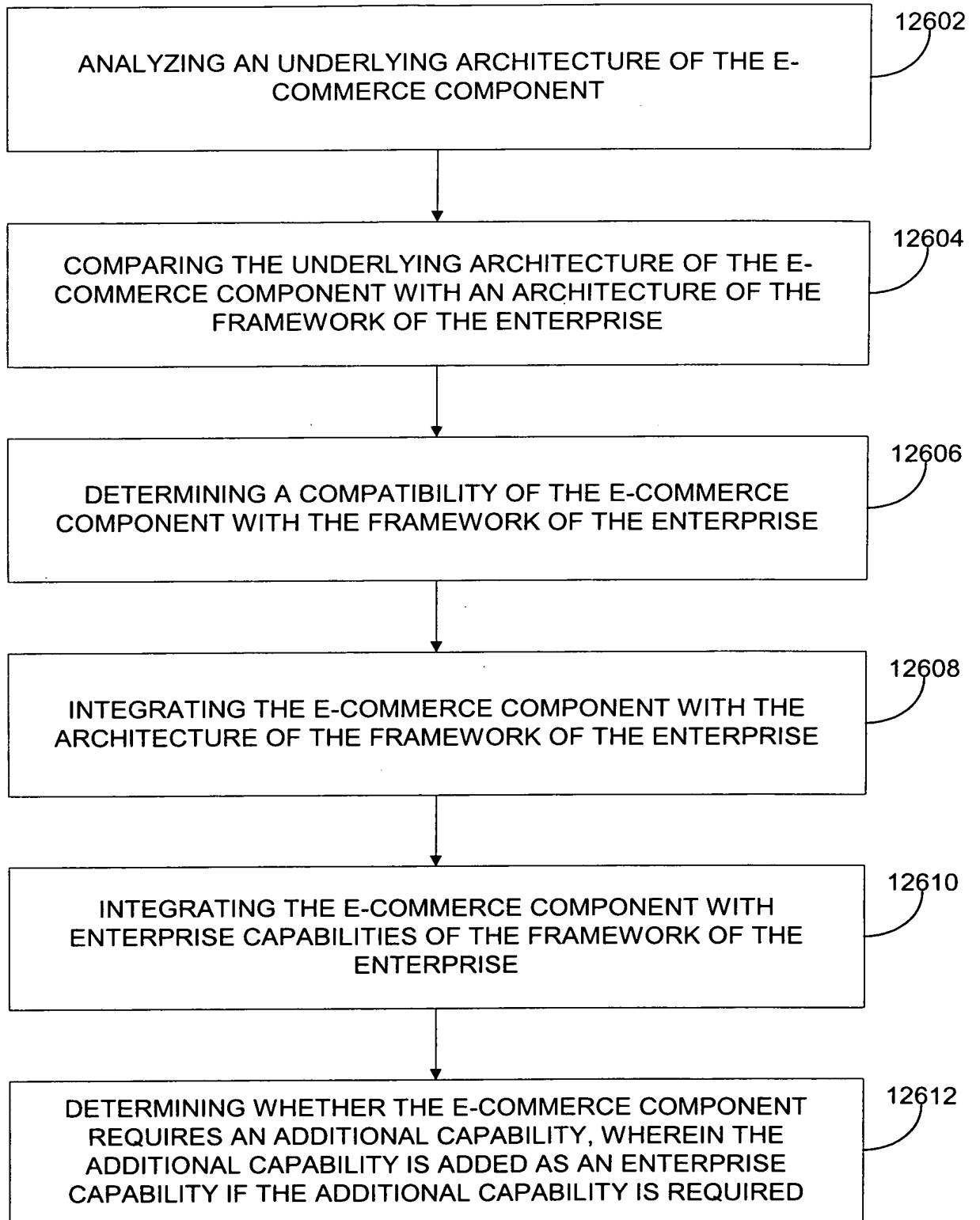


Figure 126

Bandwidth Market

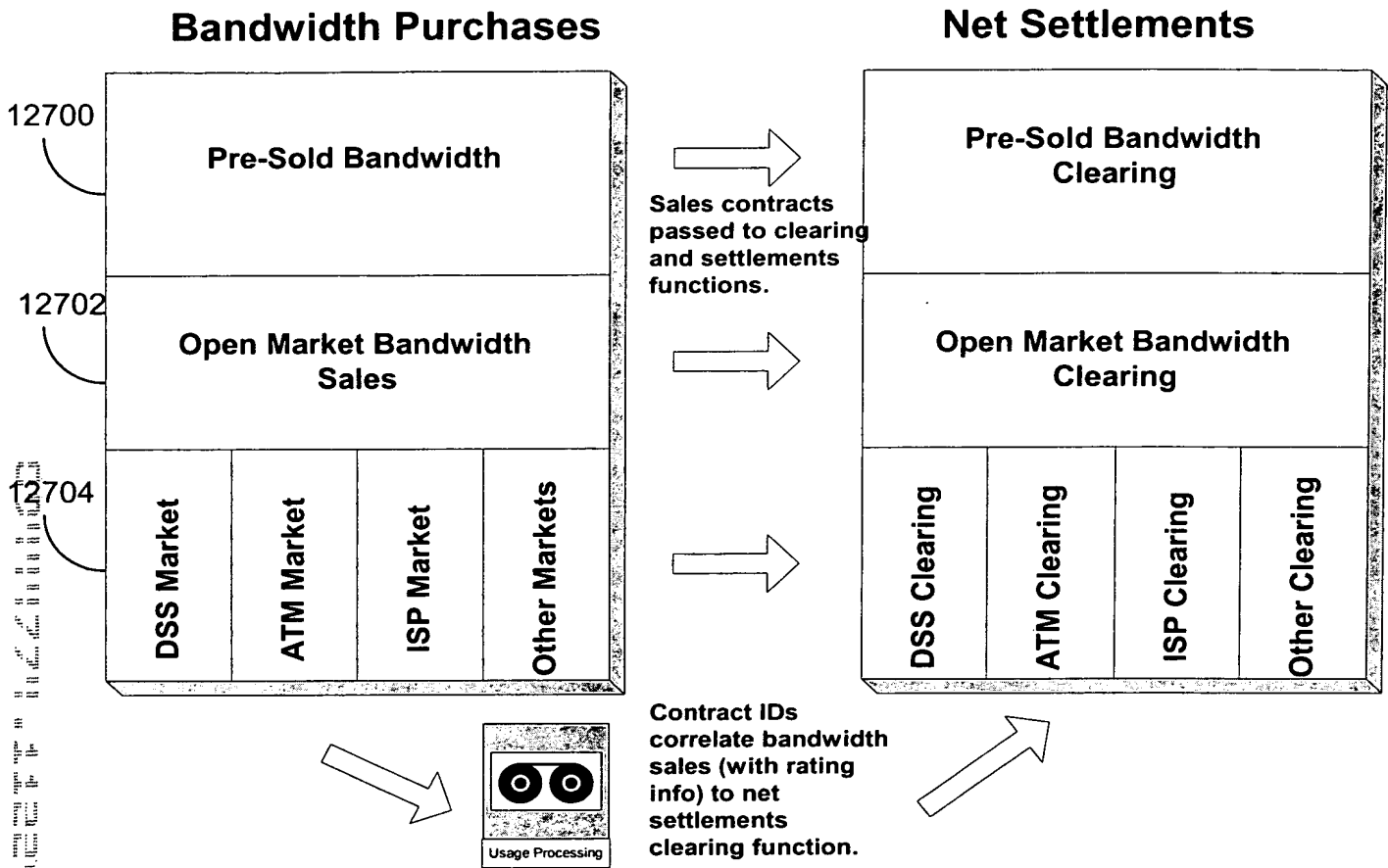


Figure 127

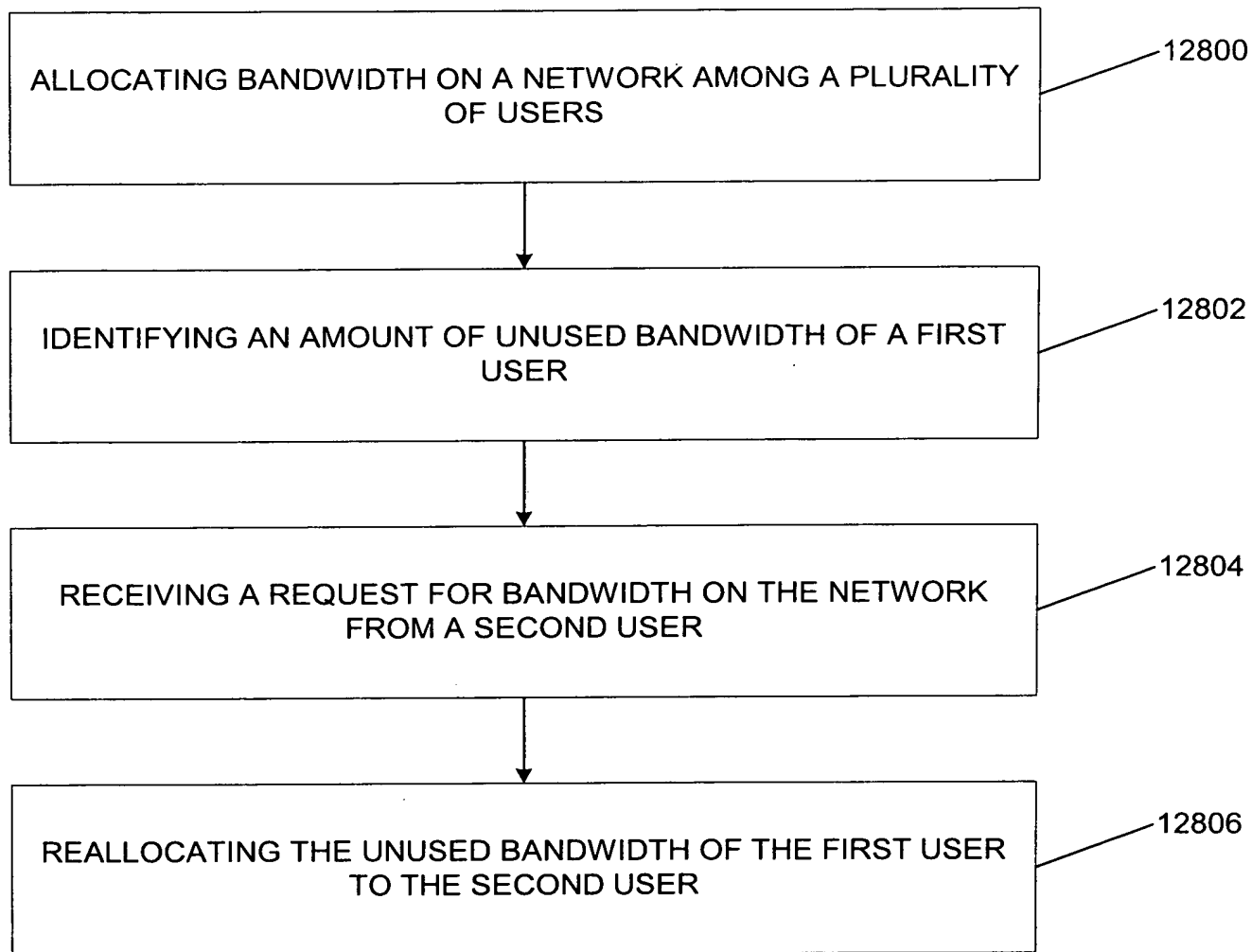


Figure 128

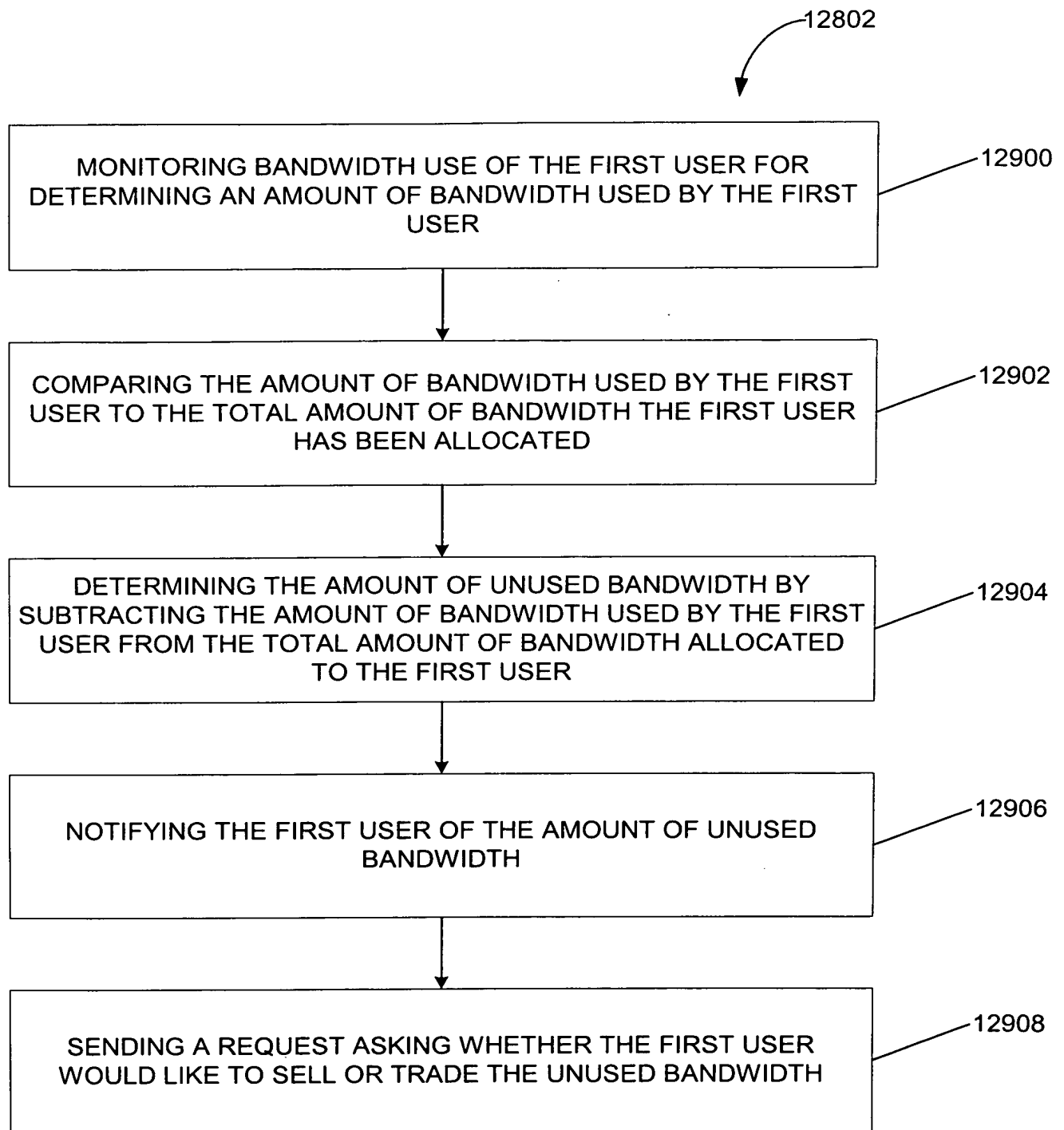
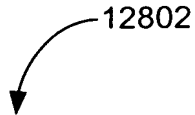


Figure 129

12802



SENDING THE FIRST USER A REQUEST ASKING WHETHER THE
FIRST USER HAS ANY UNUSED BANDWIDTH THAT THE FIRST
USER WOULD LIKE TO TRADE OR SELL

13000

RECEIVING A RESPONSE FROM THE FIRST USER INDICATING AN
AMOUNT OF UNUSED BANDWIDTH THAT THE FIRST USER
WOULD LIKE TO TRADE OR SELL

13002

VERIFYING THE AVAILABILITY OF THE AMOUNT OF UNUSED
BANDWIDTH THAT THE FIRST USER WOULD LIKE TO SELL OR
TRADE

13004

Figure 130

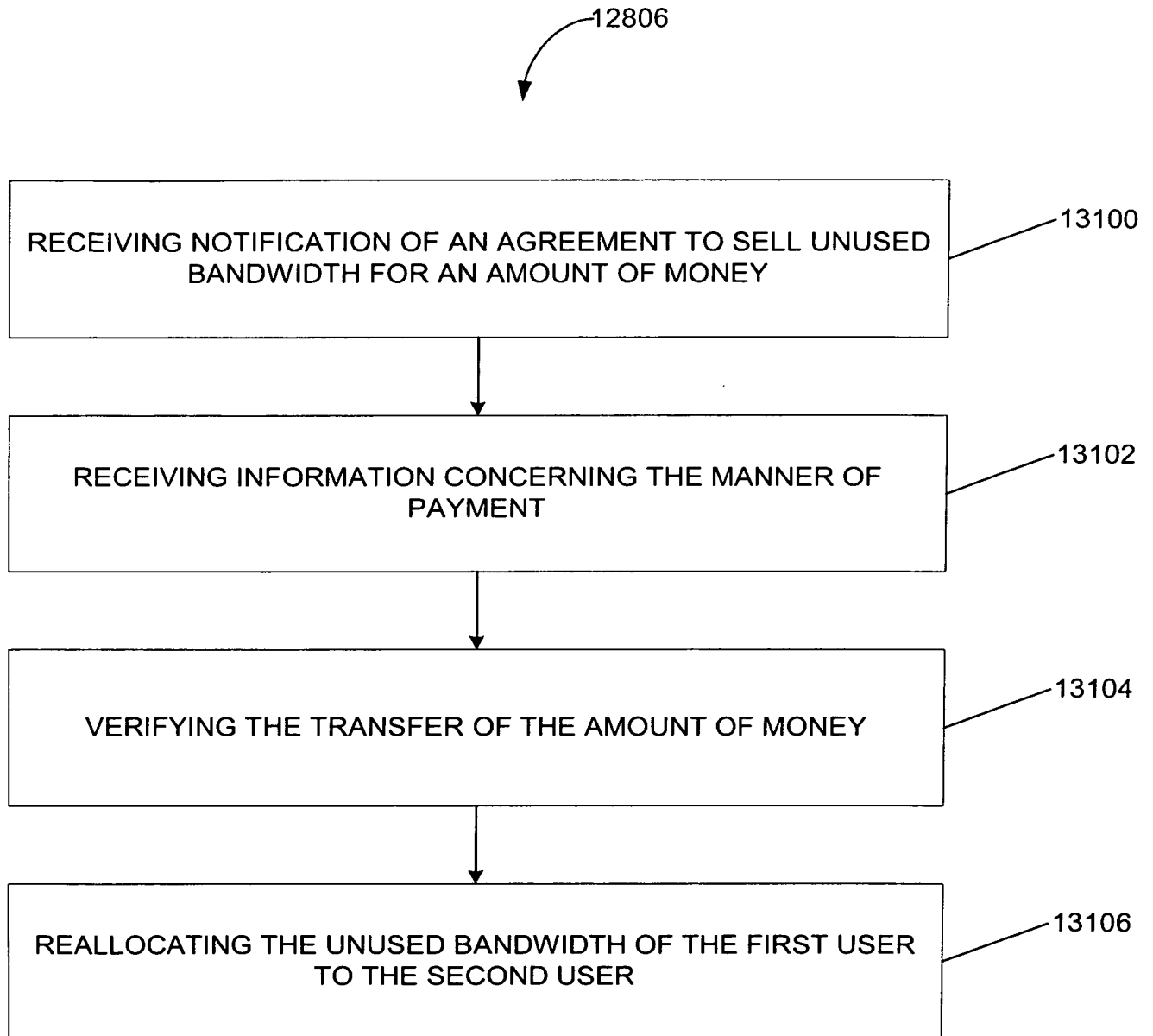


Figure 131

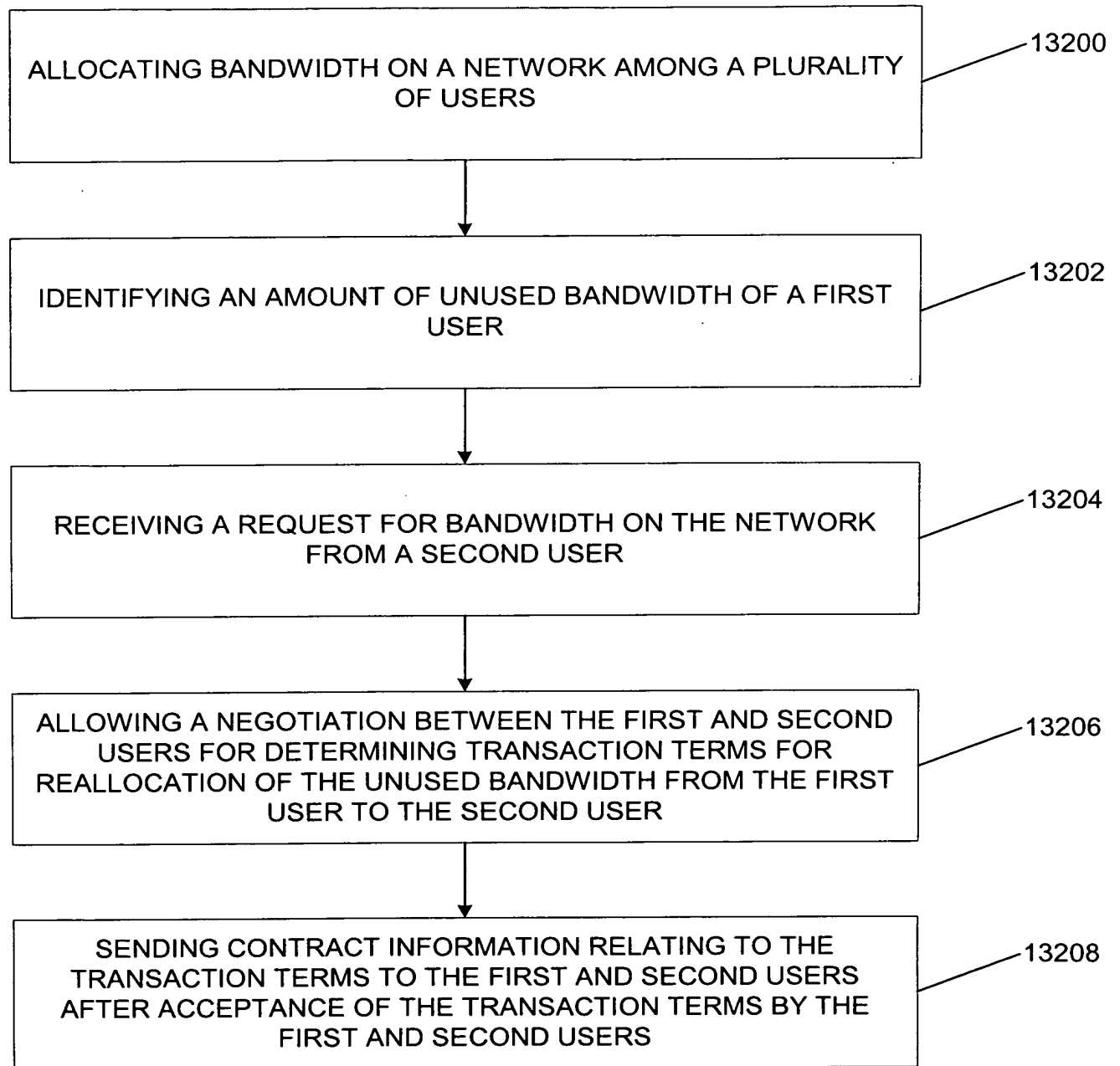


Figure 132

Bandwidth Contract Flow

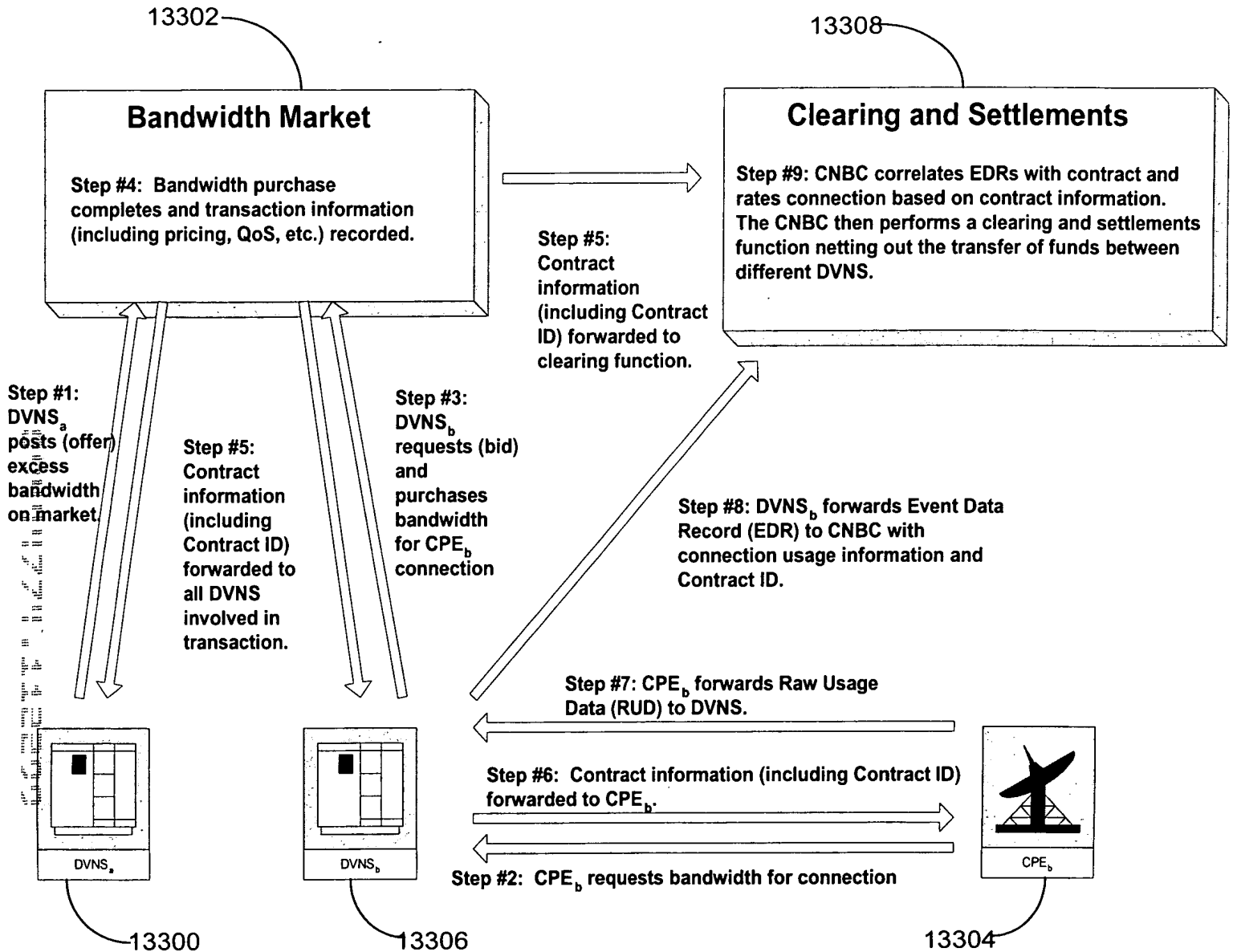


Figure 133

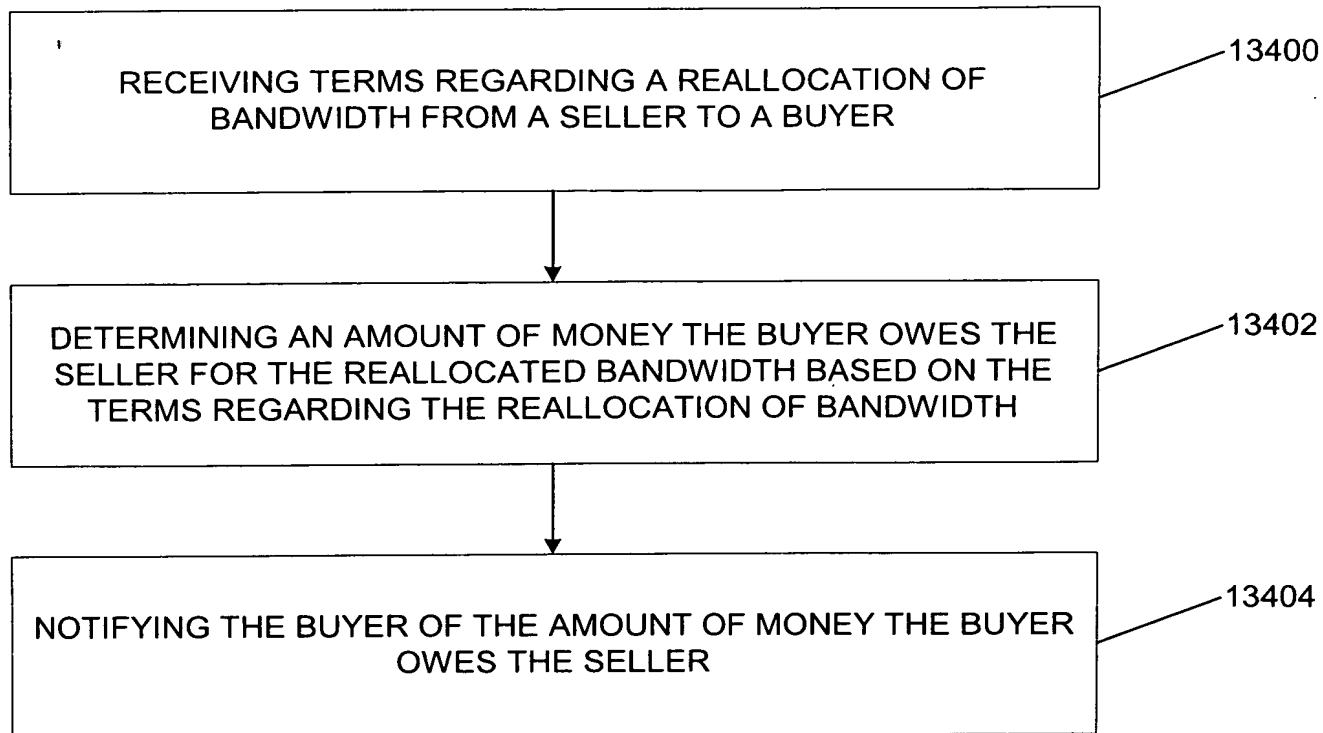


Figure 134

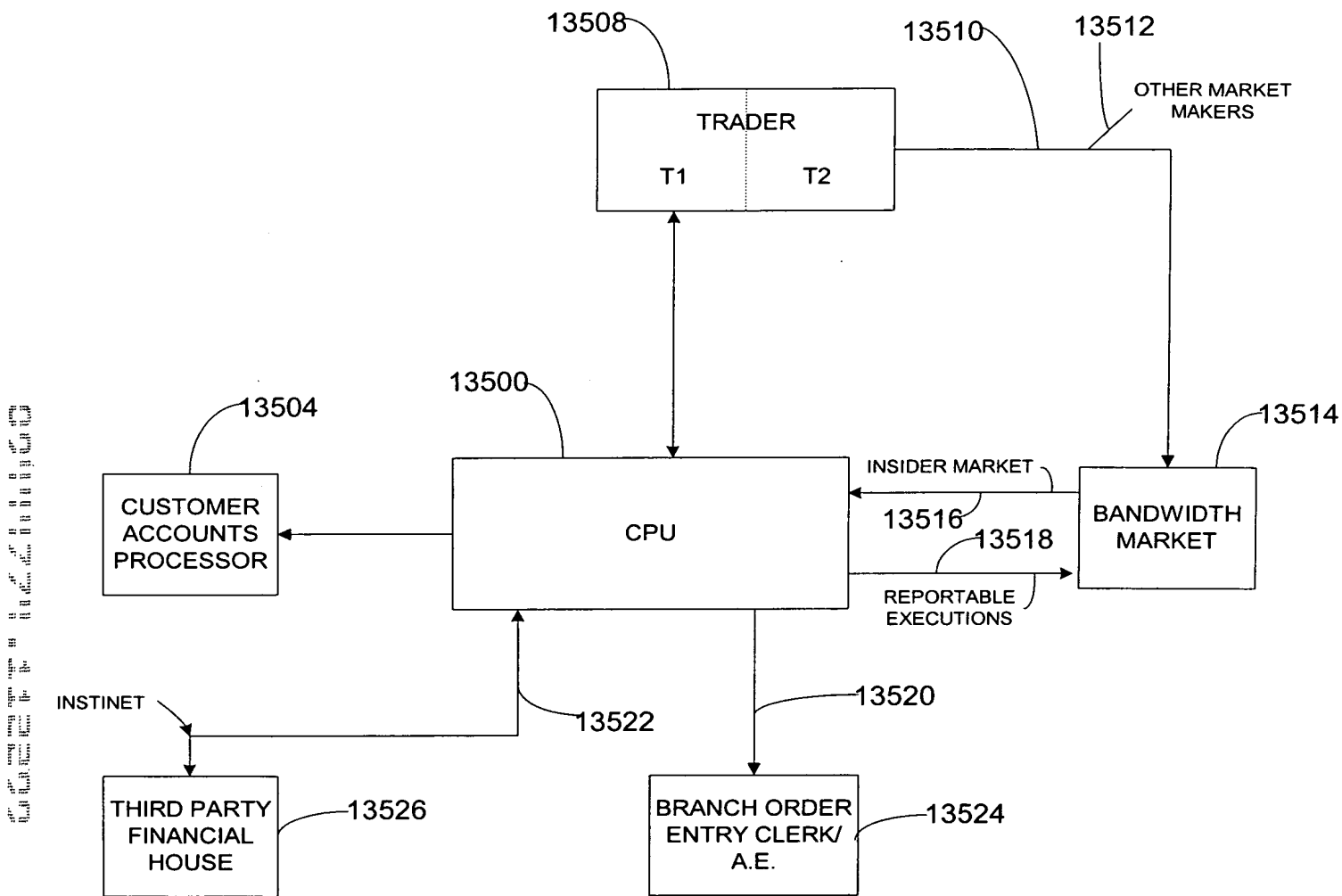


Figure 135

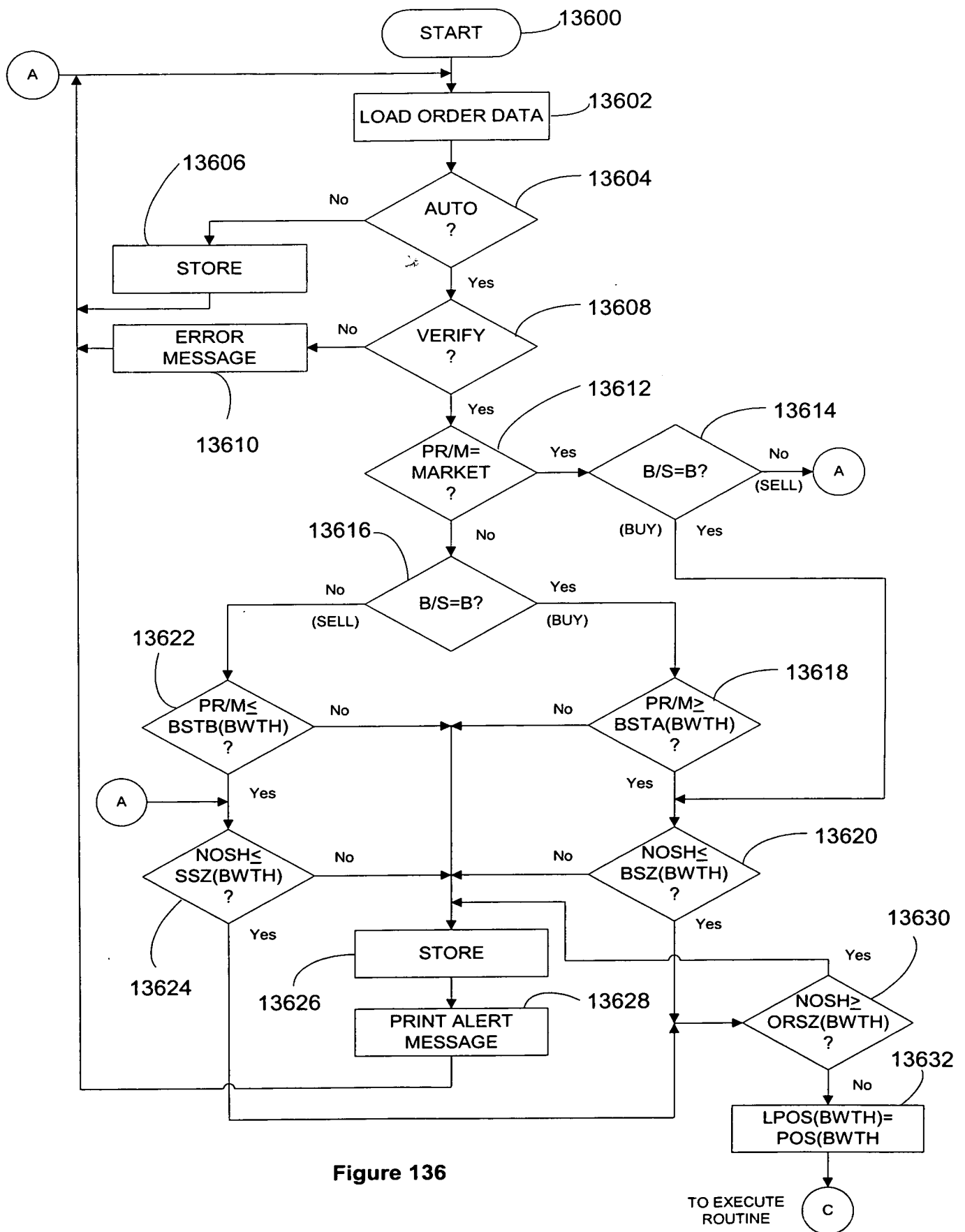


Figure 136

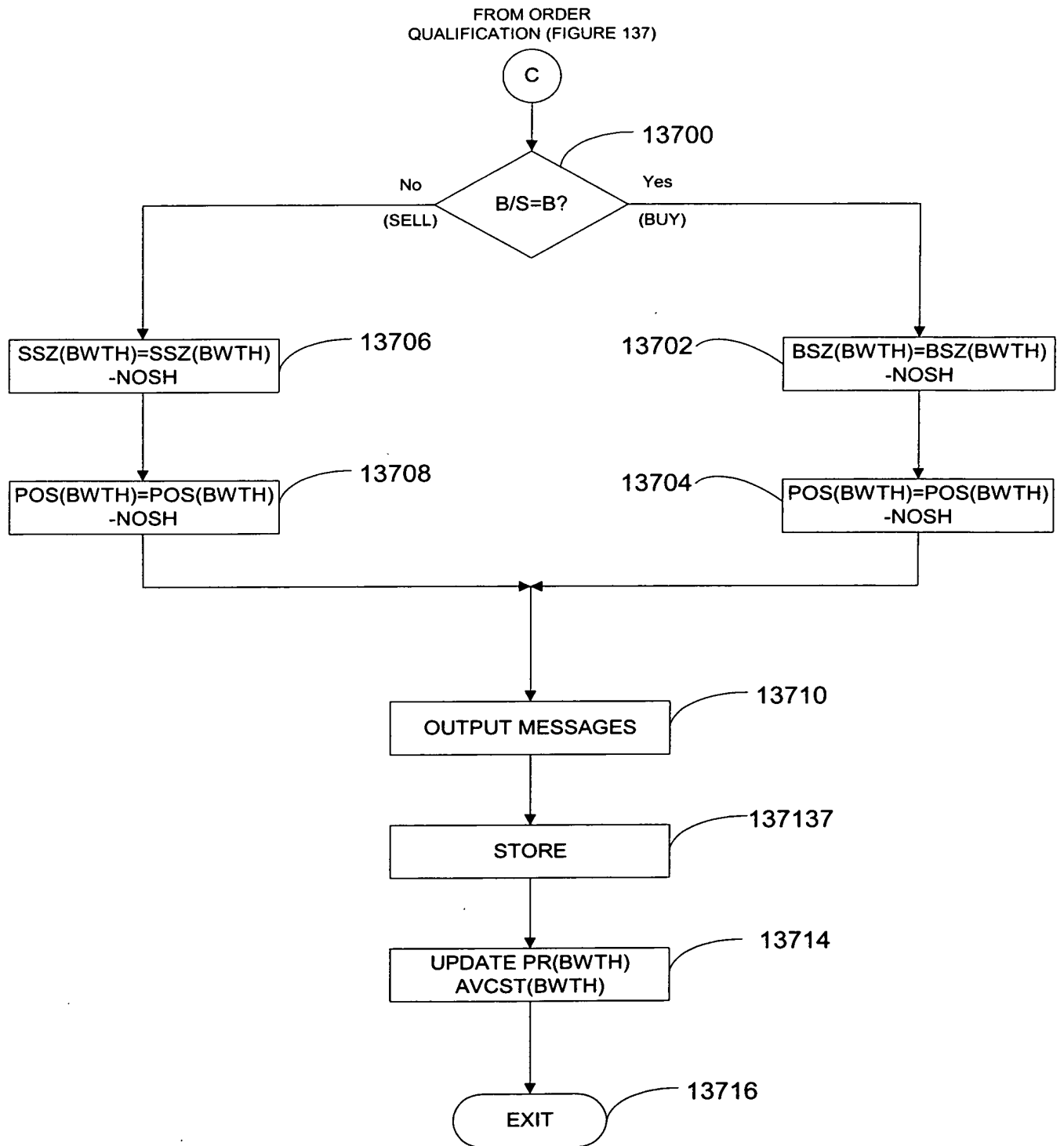


Figure 137

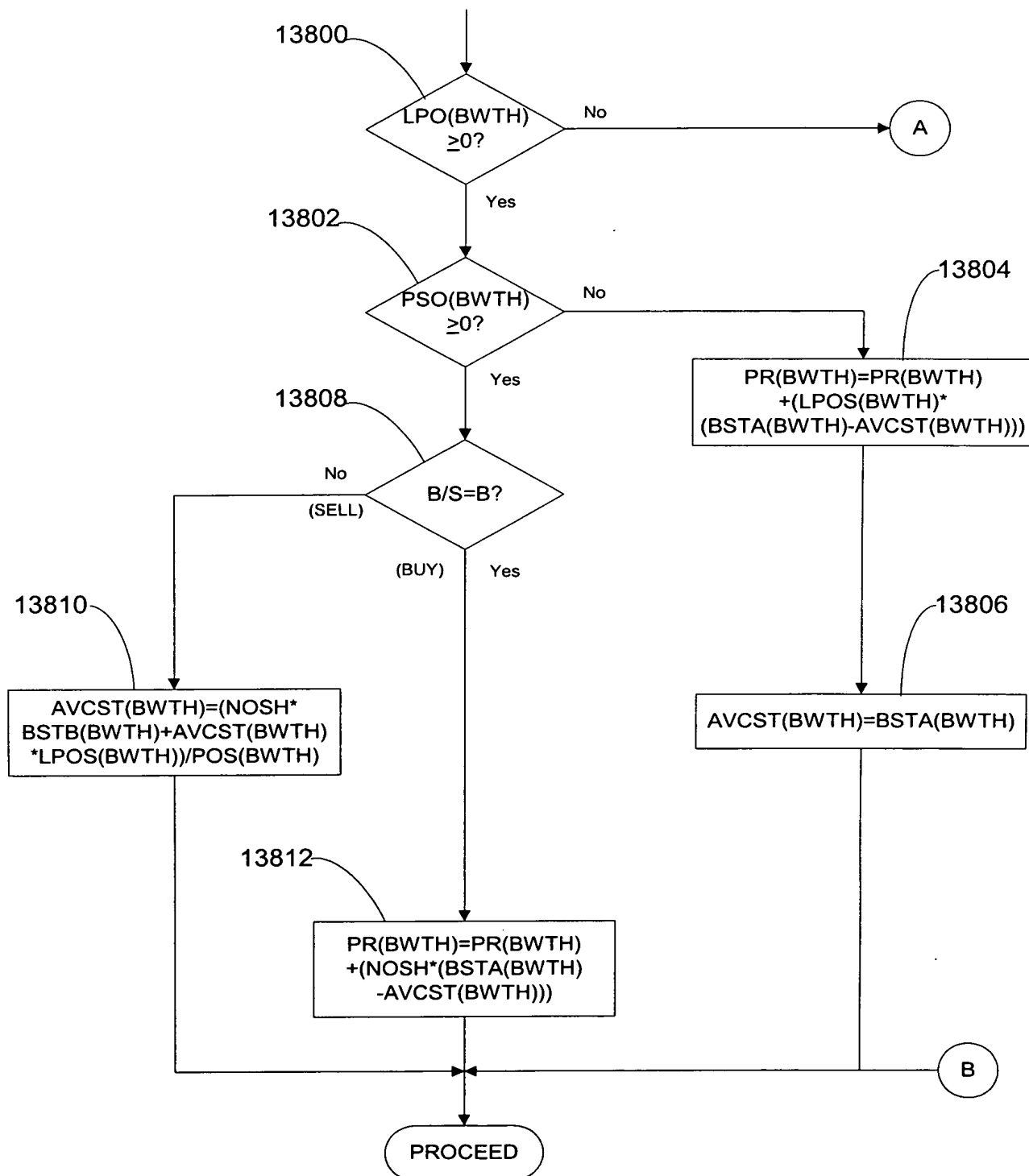


Figure 138

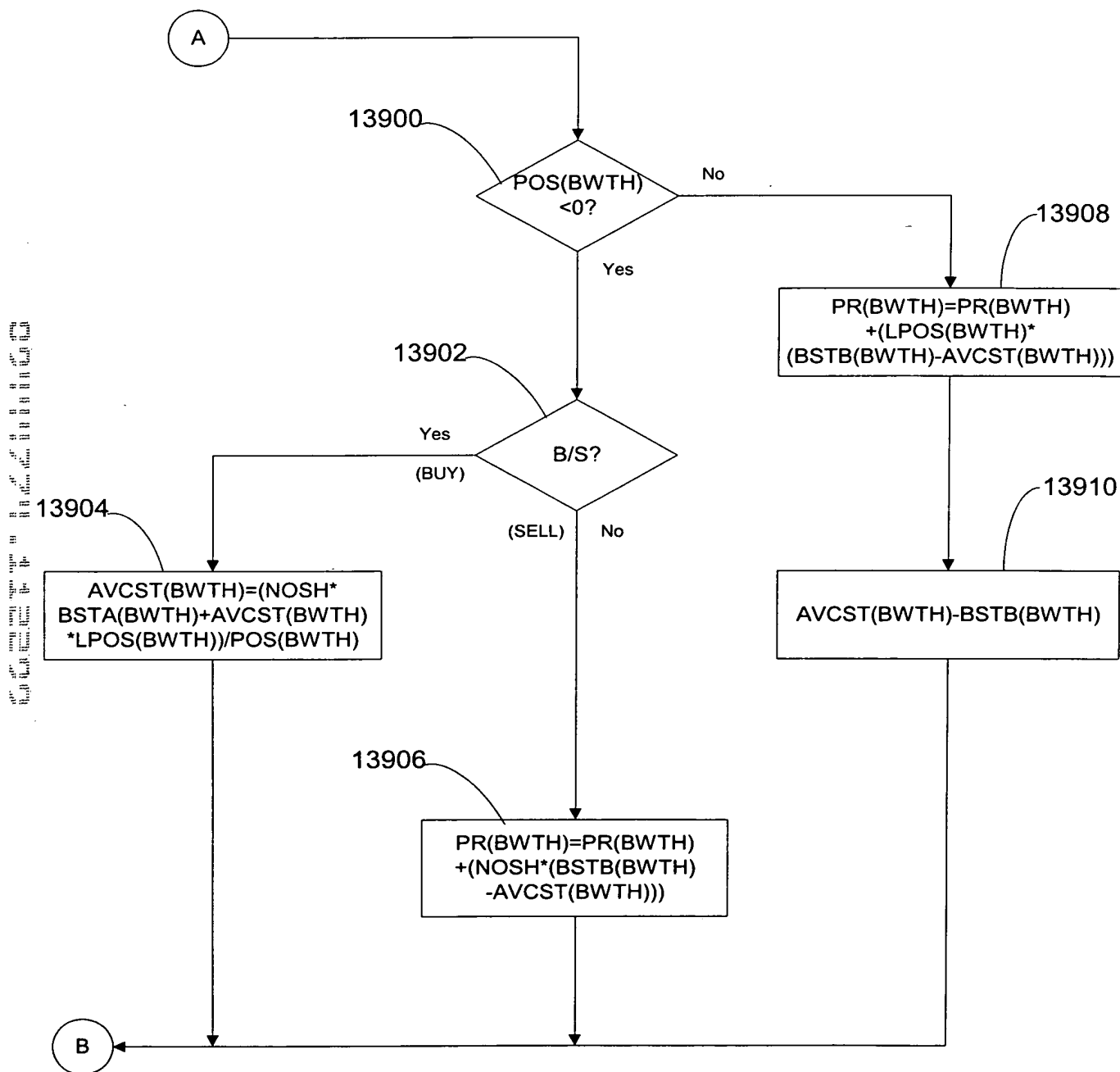


Figure 139

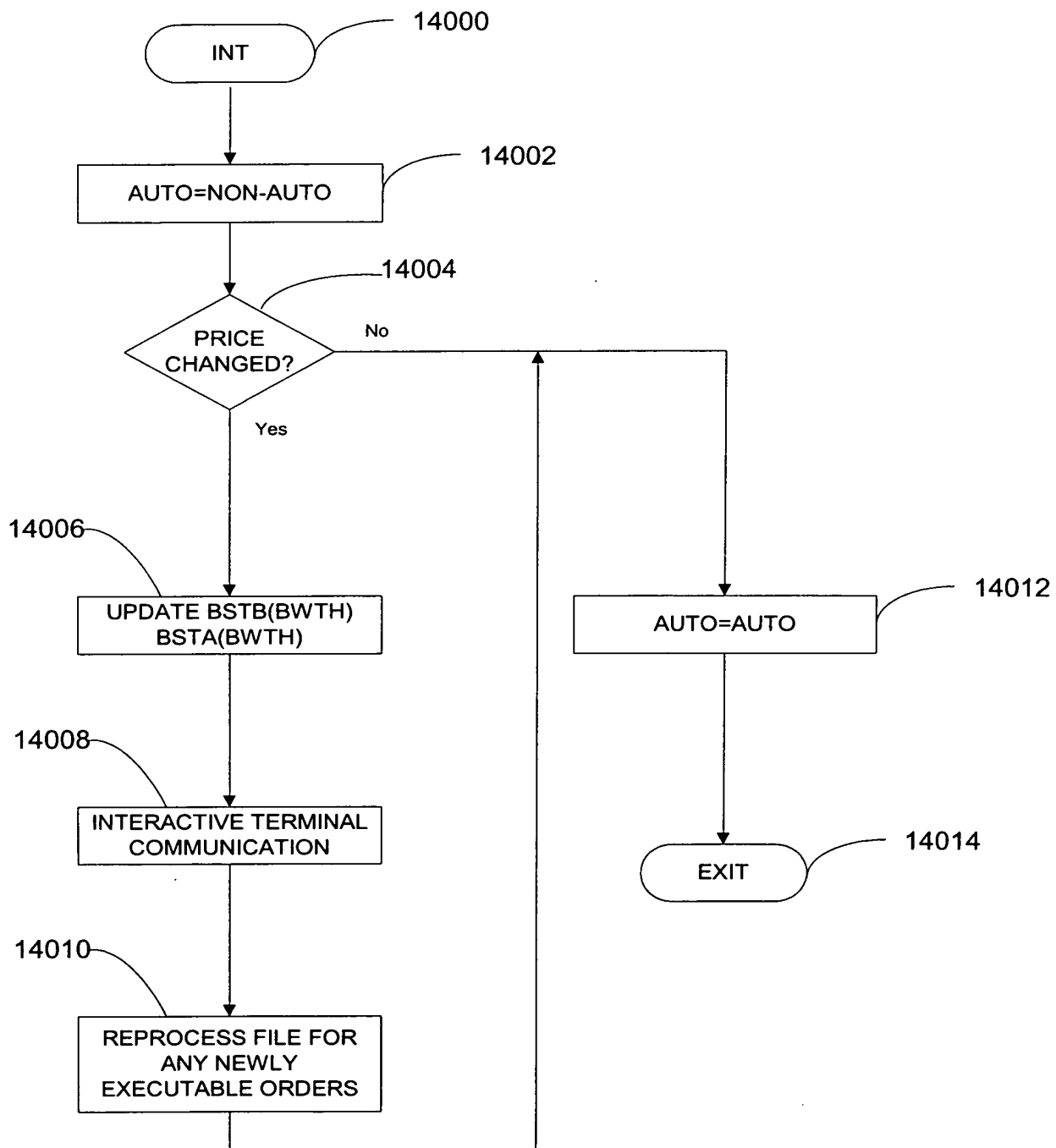


Figure 140

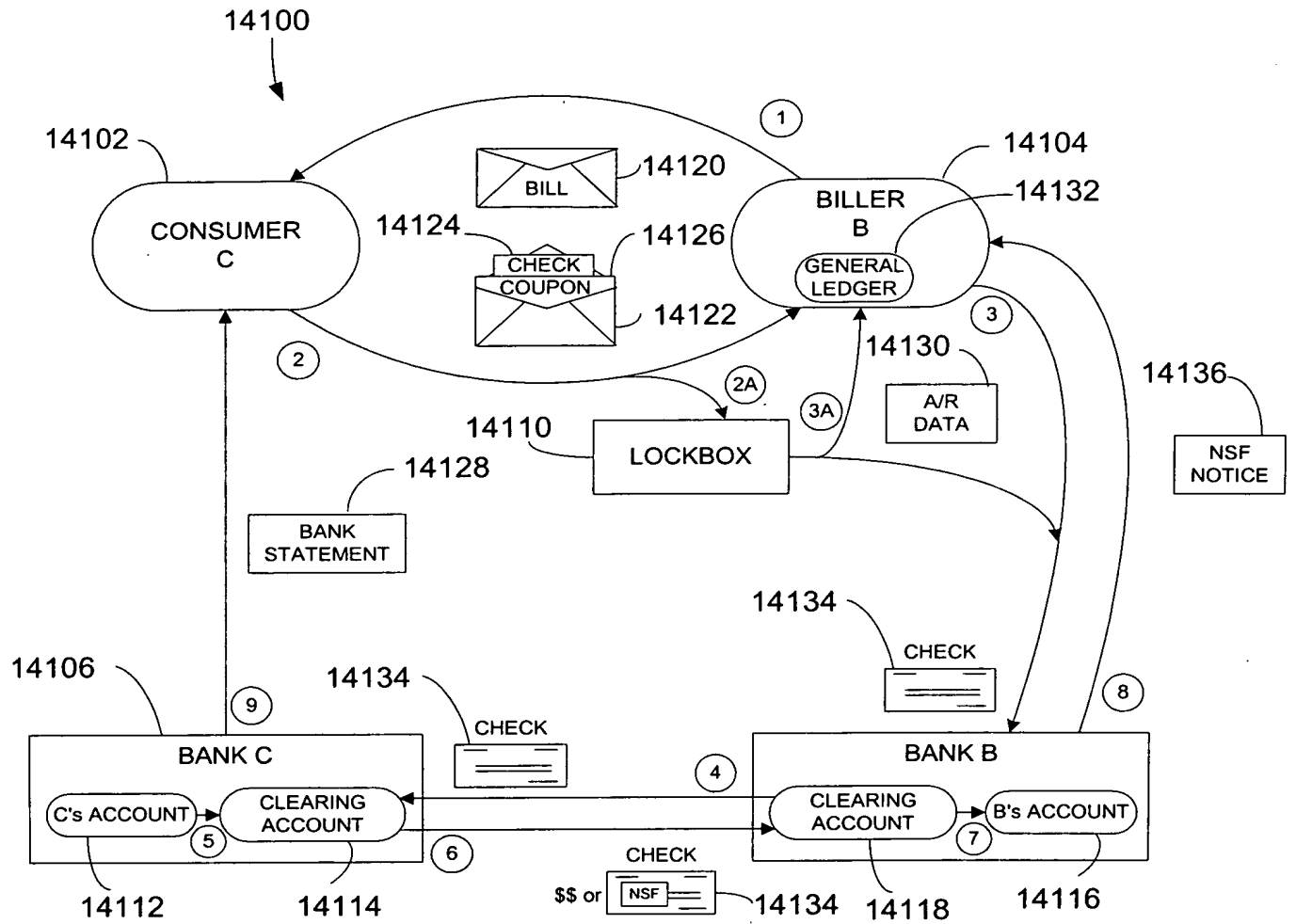


Figure 141

14200

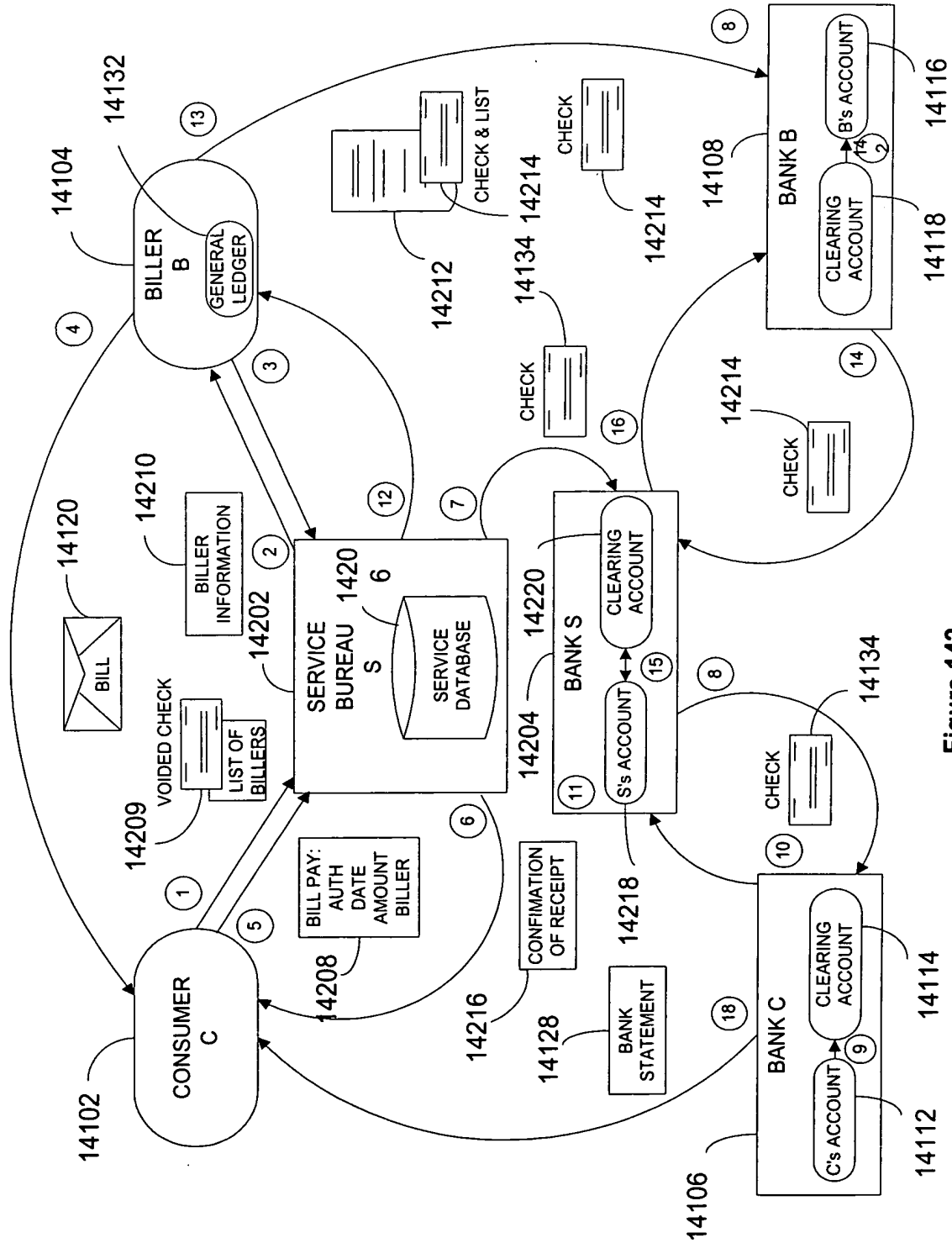


Figure 142

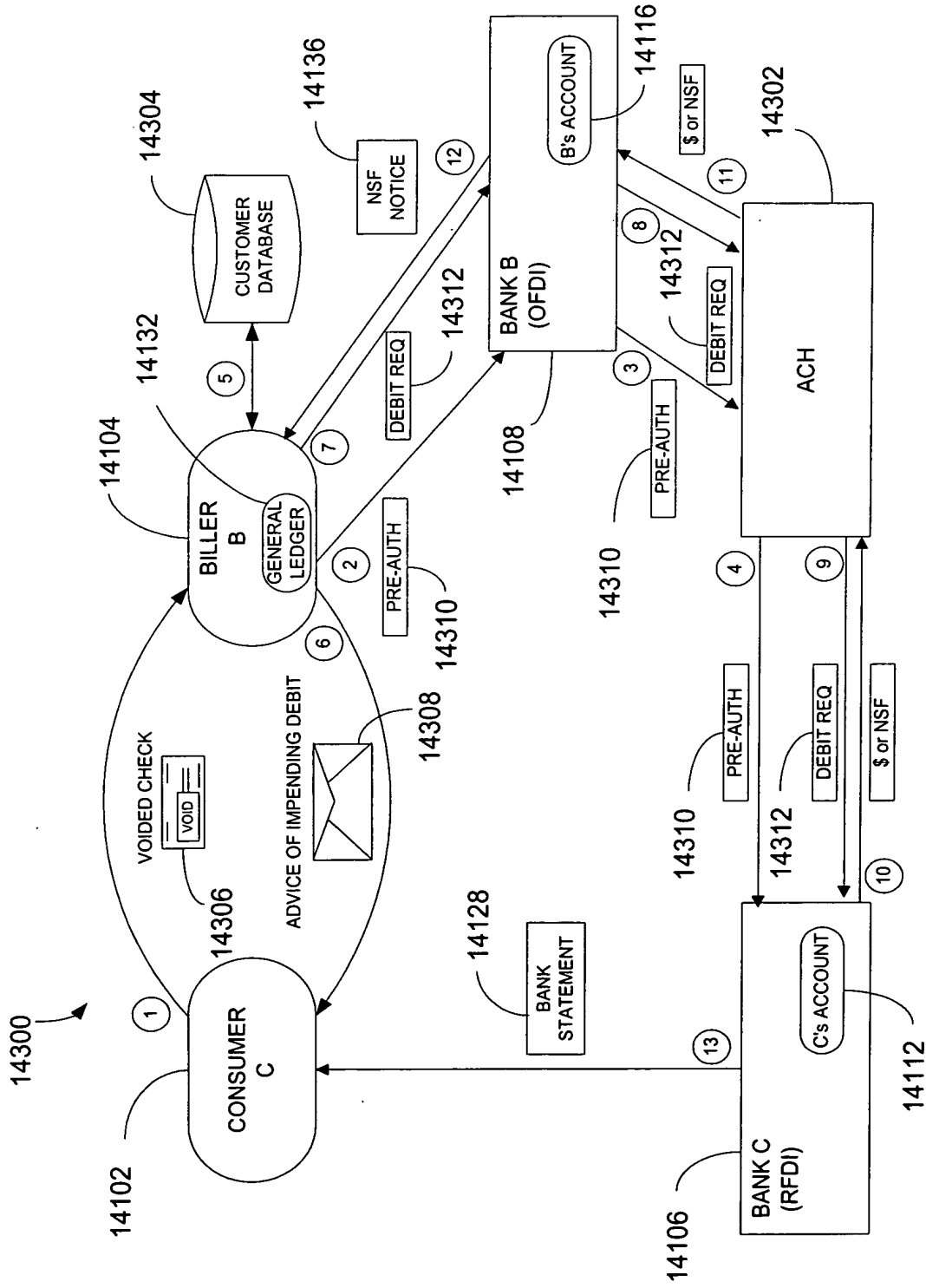


Figure 143